

## Rat CD43 Monoclonal Antibody | anti-CD43 antibody

CD43 antibody (FITC)

|                               |                    |                                                         |
|-------------------------------|--------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA107049</b> | HOST<br><b>Rat</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|--------------------|---------------------------------------------------------|

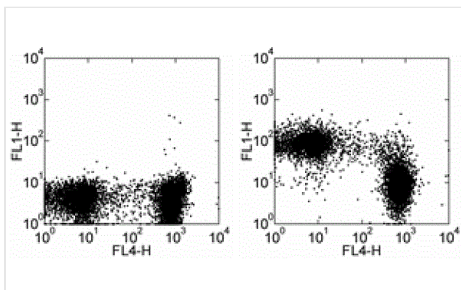
### PRODUCT SYNONYMS

CD43; Monoclonal Antibody; CD43 antibody (FITC); Monoclonal CD43; Anti-CD43; CD-43; CD 43; Ly-48; Sialophorin; Leukosialin; LSN; SPN; anti-CD43 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype                                        | IgM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                   | R2/60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                    | Supplied in aqueous buffer with 0.09% sodium azide, may contain carrier protein/stabilizer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Concentration                                  | 5 ul (2 ug)/test (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-CD43 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Biological Significance                        | The R2/60 monoclonal antibody reacts with mouse CD43, also known as leukosialin and sialophorin. CD43 has glycoforms of approximately 115 and 130 kDa, and is expressed by an early B cell subset in BM, thymocytes and mature T cells, NK cells, myeloid lineage cells and platelets. CD43 is reported to bind to CD54 and play a role in adhesion and B cell survival. While the S7 and 1B11 monoclonal antibody clones detect only certain isoforms of CD43, data suggests that R2/60 detects the expression of both isoforms. It has been demonstrated that R2/60 stains the majority of CD4+ and CD8+ splenocytes, as well as a significant population of CD19+ splenocytes. However, the clones S7 and 1B11 stain only CD4+ and CD8+, or CD19+ splenocytes, respectively. This suggests that S7 and 1B11 recognize distinct epitopes which are differentially expressed by splenic B and T cells, whereas R2/60 recognizes an epitope shared by both isoforms of CD43. |
| Tag/Conjugate                                  | FITC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                        | Store at 2-8 degree C. Do not freeze. Protect from light.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Staining of C57BL/6 splenocytes with CD45R antibody and 0.06 ug of Rat IgM kappa Isotype Control (FITC) (left) or 0.06 ug of CD43 antibody (FITC) (right). Cells in the lymphocyte gate were used for analysis.

ADDITIONAL INFORMATION

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|----------------------------------------------------|----------------------------------------------|
| Related Product Information for anti-CD43 antibody | Rat monoclonal CD43 antibody (FITC)          |
| Product Categories/Family for anti-CD43 antibody   | Immunology; Conjugated Monoclonal Antibodies |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd43-antibody-clone-r2-60-flow-cytometry-elisa/107049>