

## Rat anti-Murine CD23 Monoclonal Antibody | anti-CD23 antibody

CD23 antibody (PE)

|                              |                    |                             |                                                         |
|------------------------------|--------------------|-----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA74609</b> | HOST<br><b>Rat</b> | REACTIVITY<br><b>Murine</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|--------------------|-----------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CD23; Monoclonal Antibody; CD23 antibody (PE); Monoclonal CD23; Anti-CD23; CD 23; CD-23; BLAST-2; Fc-epsilon-RII; FcεRII; Lymphocyte IgE receptor; CD23 antigen; anti-CD23 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                     | Murine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                                        | IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clone Number                                   | 2G8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity                                    | Murine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                    | Supplied as a liquid in PBS, with NaN3 added as preservative.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration                                  | 0.1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence Length                                | 309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-CD23 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Biological Significance                        | CD23, also known as Fc epsilon RII, or FcεRII, is the "low-affinity" receptor for IgE, an antibody isotype involved in allergy and resistance to parasites, and is important in regulation of IgE levels. Unlike many of the antibody receptors, CD23 is a C-type lectin. It is found on mature B cells, activated macrophages, eosinophils, follicular dendritic cells, and platelets. There are two forms of CD23: CD23a and CD23b. CD23a is present on follicular B cells, whereas CD23b requires IL-4 to be expressed on T-cells, monocytes, Langerhans cells, eosinophils, and macrophages. |
| Biohazard Information                          | This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Tag/Conjugate                                  | PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                      | CD23 antibody (PE) was raised in rat using CD23 low affinity IgE Fc receptor as the immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                        | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### ADDITIONAL INFORMATION

|                                                    |                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------|
| Related Product Information for anti-CD23 antibody | Rat monoclonal CD23 antibody (PE)                                             |
| Product Categories/Family for anti-CD23 antibody   | <a href="#">Immunology</a> ; <a href="#">Conjugated Monoclonal Antibodies</a> |

NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 313673                                                   |
| NCBI GeneID                      | 171075                                                   |
| UniProt Accession #              | Q63097                                                   |
| Molecular Weight                 | 35,126 Da                                                |
| NCBI Official Full Name          | CD23                                                     |
| NCBI Official Synonym Full Names | Fc fragment of IgE, low affinity II, receptor for (CD23) |
| NCBI Official Symbol             | Fcer2                                                    |
| NCBI Official Synonym Symbols    | CD23; Fcer2a                                             |
| NCBI Protein Information         | low affinity immunoglobulin epsilon Fc receptor          |
| UniProt Protein Name             | CD23 protein                                             |
| UniProt Gene Name                | Fcer2                                                    |
| UniProt Entry Name               | Q63097_RAT                                               |

**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/cd23-antibody-clone-2g8-flow-cytometry-elisa/74609>