# Mouse anti-Human CD48 Monoclonal Antibody | anti-CD48 antibody

Mouse anti-Human CD48, Purified mAb

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA266609** | **Mouse** | **Human** | **Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

CD48; Monoclonal Antibody; Mouse anti-Human CD48; Purified mAb; anti-CD48 antibody

## PRODUCT SPECIFICATIONS

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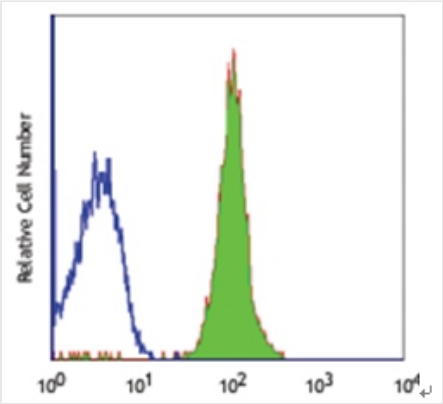
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 |
| **Clone Number** | 4A156-4H9 |
| **Form/Format** | Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide |
| **Applicable Applications for anti-CD48 antibody** | IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Experimental Methods** | 1.Take 100mul peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;<br>2.Add appropriate amount of antibody to the bottom of flow tube mixing with the whole blood, incubate for 30 minutes at room temperature;<br>3.Add 2 ml1×RBC lysis buffer, incubate for 10 minutes after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10×);<br>4.Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant;<br>5.Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant;<br>6.Add appropriate amount of fluorescent-labeled anti-mouse IgGs and incubate for 20 minutes away from light at room temperature.<br>7.Repeat step 5.<br>8.Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 degree C then measured).<br>[PBS wash buffer: PBS +1% FBS +0.1% NaN3]<br>[Cell fixation: 2% formaldehyde solution] |
| **Preparation and Storage** | Store at 4 degree C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL. |

## IMAGES




**Application Data**
Human peripheral blood lymphocytes analyzed with Purified CD48 mAb, followed by anti-mouse IgGs-FITC

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-CD48 antibody** | 4A156-4H9 reacts with blast-1, a 45 kDa GPI linked cell surface molecule. CD48 is expressed on peripheral blood lymphocytes, monocytes, or macrophages, but not on granulocytes and platelets nor on non-hematopoietic cells. CD48 binds to CD2 and plays a role as an accessory molecule in g/d T cell recognition and a/b T cell antigen recognition.* CD48 positive lymphocytes is decreased in patients with PNH (paroxysmal nocturnal haemoglobinuria) |
| **References** | 1.Knapp, W., et al. (1989) Leucocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, New York. 2.Sandrin MS et al. (1993) J. Immunol. 151:4606. 3.GRiscelli-Bennaceur A et al. (1995) Blood 85:1354. 4.Flament, C et al. (1996) Hum. Immunol. 46:82. |

**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/cd48-antibody-clone-4a156-4h9-immunofluorescence-flow-cytometry-elisa/266609