

## FITC Anti-Human CD48 Antibody[156-4H9]

Catalog Number: GFH1061C

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

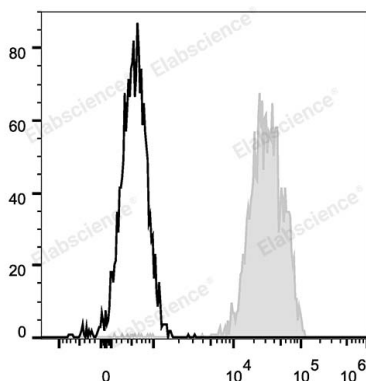
|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                    |
| Host                    | Mouse                                                                                                                                                    |
| Isotype                 | Mouse IgG1, κ                                                                                                                                            |
| Clone No.               | 156-4H9                                                                                                                                                  |
| Isotype Control         | FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C]                                                                                       |
| Conjugation             | FITC                                                                                                                                                     |
| Conjugation Information | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                      |

### Applications

### Recommended usage

**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD48 Antibody (filled gray histogram).  
Unstained lymphocytes (empty black histogram) are used as control.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag                                                                                                                                                   |

### Antigen Information

|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| Alternate Names | BCM1 surface antigen;BLAST-1;CD48;CD48 antigen;Cd48;HM48-1;MRC OX-45 surface antigen;SLAMF2;sgp-60 |
| Gene ID         | 962                                                                                                |

### For Research Use Only

## Background

CD48 is a 40-47 kD GPI-anchored membrane protein, also known as Blast-1 and HuLy-m3. It is a member of the CD2 family that contains 2 IgSF domains and is widely expressed on both resting and activated hematopoietic cells with the exception of granulocytes, platelets, and erythrocytes. CD48 binds to CD2 at a considerably (>100-fold) lower affinity than CD58. It is thought to contribute to T cell activation. The cytoplasmic tail of CD48 has been shown to bind to the kinases Lck and Fyn.