

## Elab Fluor® Red 780 Anti-Mouse CD48 Antibody[HM48-1]

**Catalog Number:** GFH1017US

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

### Description

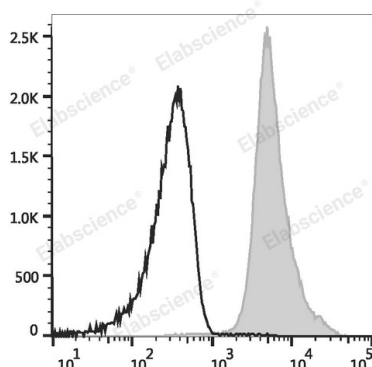
|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>              | Mouse                                                                                                                                                                      |
| <b>Host</b>                    | Armenian Hamster                                                                                                                                                           |
| <b>Isotype</b>                 | Armenian Hamster IgG                                                                                                                                                       |
| <b>Clone No.</b>               | HM48-1                                                                                                                                                                     |
| <b>Isotype Control</b>         | Elab Fluor® Red 780 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853S]                                                                                       |
| <b>Conjugation</b>             | Elab Fluor® Red 780                                                                                                                                                        |
| <b>Conjugation Information</b> | Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                        |

### Applications

### Recommended usage

|            |                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FCM</b> | Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10 <sup>6</sup> cells in 100 µL volume]. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Data



C57BL/6 murine splenocytes are stained with Elab Fluor® Red 780 Anti-Mouse CD48 Antibody (filled gray histogram)

or Elab Fluor® Red 780 Armenian Hamster IgG Isotype Control (empty black histogram).

### Preparation & Storage

|                 |                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | 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. |
| <b>Shipping</b> | Ice bag                                                                                                                                                   |

### Antigen Information

|                        |                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | BCM1 surface antigen;BLAST-1;CD48;CD48 antigen;Cd48;HM48-1;MRC OX-45 surface antigen;SLAMF2;sgp-60 |
| <b>Uniprot ID</b>      | P18181                                                                                             |
| <b>Gene ID</b>         | 12506                                                                                              |

### For Research Use Only

## Background

CD48 is a 45 kD GPI-anchored glycoprotein also known as BCM1, Blast-1 (human), and OX-45 (rat). It is a member of the Ig superfamily, expressed on T and B cells and monocytes/macrophages. It plays a role in adhesion and T cell recognition. The primary ligands for CD48 are CD2 and CD244.