

PE Anti-Mouse CD244.2 Antibody[m2B4(B6)458.1]

Catalog Number: AN01284D

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

Description

Reactivity	Mouse
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	m2B4(B6)458.1
Isotype Control	PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D]
Conjugation	PE
Conjugation Information	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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.
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Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	2B4 B6 Alloantigen
Uniprot ID	Q07763
Gene ID	18106
Background	Mouse CD244, also known as 2B4, is a receptor belonging to the CD2 family of proteins involved in non- MHC-restricted cytotoxicity. It is expressed on all natural killer (NK) cells, IL-2 activated NK (LAK) cells, NKT cells, and a subset of T lymphocytes, including dendritic epidermal T cells. There are at least two isoforms of CD244.2 proteins that differ in the length of the cytoplasmic domain. The long form functions in an inhibitory manner, while the short form functions in an activating manner. The ligand of CD244 is CD48, which is expressed on all hematopoietic cells. It was reported that CD244 interaction with CD48 is essential for IL-2-driven expansion and activation of murine NK cells.

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