

Purified anti-mouse PDC-TREM

Catalog # / Size: 139202 / 100 µg

Clone: 4A6

Isotype: Rat IgG2a, κ

Immunogen: Recombinant soluble PDC-TREM

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: FC - *Quality tested*
WB - *Reported in literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: Western blot¹.

Application References: 1. Watarai H, *et al.* 2008. *Proc. Natl. Acad. Sci. USA* 105:2993. (WB)

Description: PDC-TREM, also known as plasmacytoid dendritic cell (PDC) -specific receptor, is a member of the TREM receptor family. It is a transmembrane protein composed of an extracellular region with one V-type Ig domain, a transmembrane region with a lysine residue, and a cytoplasmic domain with no recognized signaling motifs. The lysine present in the transmembrane region allows PDC-TREM to form a complex with DAP12 and Plexin-A1. PI3K and Erk 1/2 are involved in the signal transduction of this complex. PDC-TREM is expressed in TLR-activated PDCs and is involved in the production of IFN-α.

Antigen References: 1. Jill W, *et al.* 2009. *Curr. Opin. Immunol.* 21:38.
2. Lanier LL. 2009. *Immunol. Rev.* 227:150.

Related Products:

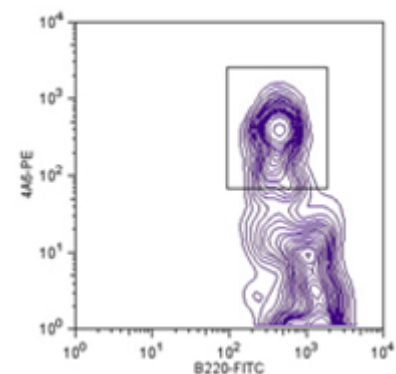
Product
Purified Rat IgG2a, κ Isotype Ctrl

Clone
RTK2758

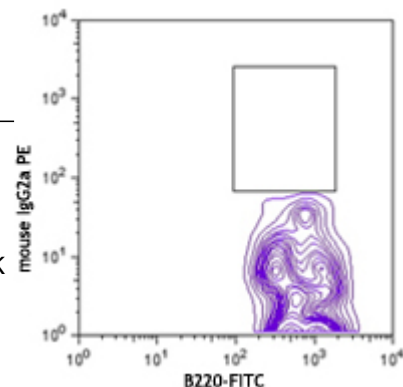
Application

Cell Staining Buffer
RBC Lysis Buffer (10X)

FC, ICC, IF,
IHC, IP, WB
FC, ICC, ICFC
FC, ICFC



C57BL/6 mouse splenocytes activated overnight with CpG-A and stained with B220 FITC and purified 4A6 conjugated with PE (top) or mouse IgG2a PE isotype control (bottom). The data shown is from the B220+CD11c+ cell population.



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