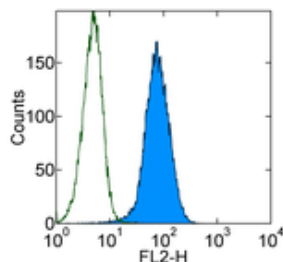


Anti-Mouse RAE1 delta PE

Catalog Number: 12-5756

Also Known As: RAE-1 delta, RAE1d

RUO: For Research Use Only



Staining of dendritic cell line with 0.125 µg of Mouse IgG1 κ Isotype Control PE (cat. 12-4714) (open histogram) or 0.125 µg of Anti-Mouse RAE1δ PE (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse RAE1 delta PE

REF Catalog Number: 12-5756

Clone: RD-41

Concentration: 0.2 mg/ml

Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The RD-41 monoclonal antibody reacts with the murine Rae1δ. Rae-1δ is one of several known murine NKG2D ligands that include RAE-1 molecules (α, β, ε, γ and δ), H60 and MULT-1. Expression of NKG2D ligands is low or absent on normal adult tissues. However, stressed or transformed cells express NKG2D ligands which in turn activates NK cells tumoricidal activity through NKG2D. Until now, the expression of NKG2D ligands has been mainly studied with NKG2D tetramers which recognizes all NKG2D ligands. The RD-41 antibody has been reported to block tetramer staining.

Applications Reported

This RD-41 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This RD-41 antibody has been tested by flow cytometric analysis on dendritic cell line. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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O'Callaghan CA, Cerwenka A, Willcox BE, Lanier LL, Bjorkman PJ. Molecular competition for NKG2D: H60 and RAE1 compete unequally for NKG2D with dominance of H60. *Immunity.* 2001 Aug;15(2):201-11.

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Carayannopoulos LN, Naidenko OV, Kinder J, Ho EL, Fremont DH, Yokoyama WM. Ligands for murine NKG2D display heterogeneous binding behavior. *Eur J Immunol.* 2002 Mar;32(3):597-605.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE
14-0161 Anti-Mouse CD16/CD32 Purified (93)

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