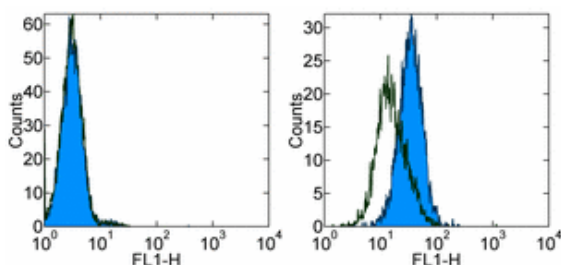


Anti-Human CD254 (RANK Ligand) Purified

Catalog Number: 14-6619

Also Known As: TRANCE, OPGL, RANKL

RUO: For Research Use Only



Staining of non-transfected (left) and human RANKL transfected cells (right) with 0.25 μ g of Mouse IgG2b κ Isotype Control Purified (cat. 14-4732) (open histogram) or 0.5 μ g of Anti-Human CD254 (RANK Ligand) Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD254 (RANK Ligand) Purified


REF Catalog Number: 14-6619

Clone: MIH24

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG2b, κ

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

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The MIH24 monoclonal antibody reacts with human TRANCE (TNF-related activation-induced cytokine receptor) also known as RANKL (receptor activator of NF- κ B ligand) and OPGL (Osteoprotegerin Ligand). TRANCE is a type II membrane protein with predicted molecular weight of 35 kDa. Its extracellular domain is most closely related to TRAIL, FasL and TNF. TRANCE mRNA is upregulated by TCR stimulation. TRANCE-deficient mouse lacks osteoclasts. In addition, TRANCE has been shown to be involved in the interactions between T-dendritic and T-B cells. It was also found to be critical in osteoclast differentiation. The TRANCE-RANK interaction regulates the expression of the anti-apoptotic molecule Bcl-x_L.

Applications Reported

The MIH24 antibody has been reported for use in flow cytometric analysis, and ELISA.

Applications Tested

The MIH24 antibody has been tested by flow cytometric analysis of human RANKL transfected cells. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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

Kanamaru F, Iwai H, Ikeda T, Nakajima A, Ishikawa I, Azuma M. 2004. Expression of membrane-bound and soluble receptor activator of NF- κ B ligand (RANKL) in human T cells. *Immunol Lett.* 94(3):239-46.

Kanamaru F, Iwai H, et al. 2004. Expression of membrane-bound and soluble receptor activator of NF- κ B ligand (RANKL) in human T cells. *Immunol Lett.* 94(3):239-46. (MIH24, RANKL in Th1 vs Th2, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4732 Mouse IgG2b K Isotype Control Purified

14-6617 Anti-Human CD254 (RANK Ligand) Purified (MIH23)

17-4317 Streptavidin APC

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