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Anti-Mouse CD265 (RANK) Purified

Catalog Number: 14-6612
Also Known As:Receptor Activator of NF-kB
RUO: For Research Use Only

Product Information

Contents: Anti-Mouse CD265 (RANK) Purified
REF Catalog Number: 14-6612
Clone: R12-31
Concentration: 0.5 mg/ml
Host/Isotype: Rat IgG2a, 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 R12-31 monoclonal antibody reacts with mouse RANK (Receptor activator of NF-κB), a recently cloned member of the TNFR superfamily with no significant homology to other members of this family. RANK ligand (RANKL/TRANCE/ OPGL) binds to RANK on dendritic cells, upregulates the expression of anti-apoptotic protein BcL-X_L suggesting a role in dendritic cell survival. The cytoplasmic domain of RANK interacts with TRAF2, TRAF5 and TRAF6. Overexpression of RANK activates NF-κB and c-Jun-terminal kinase (JNK) pathways. Recent studies have shown that RANK interaction with TRAF6 activates NF-κB, whereas JNK activation is mediated through binding of RANK to TRAF2.

Applications Reported

The R12-31 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The R12-31 antibody has been tested by flow cytometric analysis of mouse RANK transfected cells. This can be used at less than or equal to 1 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

11-4317 Streptavidin FITC
11-4811 Anti-Rat IgG FITC
12-4317 Streptavidin PE
13-4813 Anti-Rat IgG Biotin (Polyclonal)
14-4321 Rat IgG2a K Isotype Control Purified
17-4317 Streptavidin APC

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