

ABflo® 647 Rabbit anti-Human RANKL/CD254 mAb

Catalog No.: A26761

Basic Information

Observed MW

Calculated MW

27kDa/30kDa/35kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC69482-ABflo647

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Background

This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. This protein was shown to be a dentritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. Two alternatively spliced transcript variants have been found.

Recommended Dilutions

FC (intra)

5 μ l per 10^6 cells in 100 μ l volume

Immunogen Information

Gene ID 8600 **Swiss Prot**

014788

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 136-317 of human RANKL/CD254 (NP_003692.1).

Synonyms

ODF; OPGL; sOdf; CD254; OPTB2; RANKL; TNLG6B; TRANCE; hRANKL2

Contact

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Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

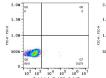
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data









Flow cytometry: 1X10^6 293T cells (negative control,left) and 293T (Transfection,right) cells were intracellularly-stained with ABflo® 647 Rabbit anti-Human RANKL/CD254 mAb (A26761,5 µl/Test,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line). Nonfluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10 ^6 293T (Transfection) cells were intracellularly-stained with ABflo ® 647 Rabbit IgG isotype control (A22070,5 μ I/Test,left) or ABflo ® 647 Rabbit anti-Human RANKL/CD254 mAb (A26761,5 μ I/Test,right).