

# 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.

## Recommended Dilutions

**FC (intra)**      5 µl per 10<sup>6</sup> cells in  
100 µl volume

## 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 dendritic 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.

## Immunogen Information

### Gene ID

8600

### Swiss Prot

O14788

### 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

### Source

Rabbit

### Isotype

IgG

### Purification

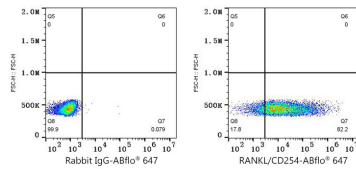
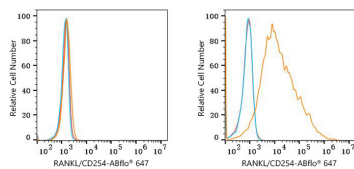
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  293T cells (negative control, left) and 293T (Transfection, right) cells were intracellularly-stained with ABflo® 647 Rabbit anti-Human RANKL/CD254 mAb (A26761,5  $\mu$ l/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  293T (Transfection) cells were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5  $\mu$ l/Test, left) or ABflo® 647 Rabbit anti-Human RANKL/CD254 mAb (A26761,5  $\mu$ l/Test, right).