# PE Rabbit anti-Human RANKL/CD254 mAb

ABclonal

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Catalog No.: A26759

### **Basic Information**

### **Observed MW**

## **Calculated MW**

27kDa/30kDa/35kDa

### Category

Primary antibody

## **Applications**

FC (intra)

### **Cross-Reactivity**

Human

### CloneNo number

ARC69482-PE

### Conjugate

PE. Ex:565nm. Em:574nm.

## **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 µl per 10^6 cells in  $100~\mu l$  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**

Source Isotype **Purification** Rabbit Affinity purification IgG

### 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 PE Rabbit anti-Human RANKL/CD254 mAb (A26759,5  $\mu$ l/Test,orange line) or PE Rabbit IgG isotype control (A24172,5  $\mu$ l/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10^6 293T (Transfection) cells were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human RANKL/CD254 mAb (A26759,5 µl/Test,right).