

## 12-9210B: Biotinylated Anti-TNFSF11 antibody(DMC267); IgG1 Chimeric mAb

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DMC267
<b>Application :</b>	Flow Cyt
<b>Reactivity :</b>	Human
<b>Gene :</b>	TNFSF11
<b>Uniprot ID :</b>	O14788
<b>Alternative Name :</b>	CD254; hRANKL2; ODF; OPGL; OPTB2; RANKL; sOdf; TNLG6B; TRANCE
<b>Isotype :</b>	IgG1

### Description

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.

### Product Info

<b>Amount :</b>	10 µg / 100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage condition :</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

### Application Note

Flow Cyt 1:100