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12-9210: Anti-TNFSF11 antibody(DMC267), IgG1 Chimeric mAb

Clonality :	Monoclonal
Clone Name :	DMC267
Application :	FACS
Reactivity :	Human
Alternative Name :	CD254, hRANKL2, ODF, OPGL, OPTB2, RANKL, sOdf, TNLG6B, TRANCE

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 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.

Product Info

Amount :	100 µg
Purification :	Purified from cell culture supernatant by affinity chromatography
Content :	Not Sterile
Storage condition :	Store at -20°C for 12 months (Avoid repeated freezing and thawing)

Application Note

FACS 1/100

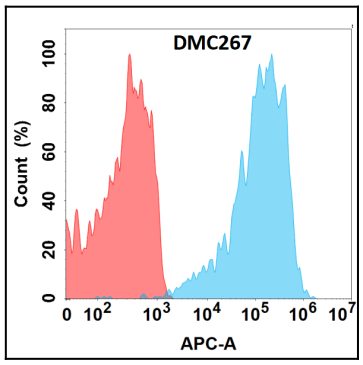

Figure 1. Flow cytometry analysis with Anti-TNFSF11 (DMC267) on Expi293 cells transfected with human TNFSF11 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).