

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 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

| | |
|----------------------------|--|
| 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

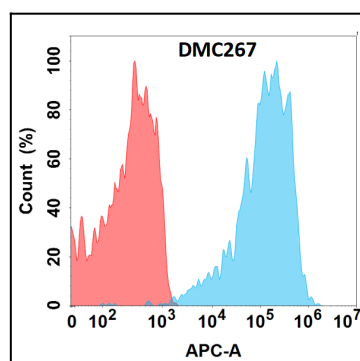


Figure 1. Flow cytometry analysis with Anti-TNFSF11 (DMC267) on Expi293 cells transfected with human TNFSF11 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).