Mouse TNFSF11 Recombinant antibody, PBS Only

Catalog Number:84431-5-PBS

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Basic Information

Catalog Number:
84431-5-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_011613.3

GeneID (NCBI):
21943

UNIPROT ID:
O35235

Full Name:
tumor necrosis factor (ligand) superfamily, member 11

Calculated MW:
35KD

Observed MW:
22 kDa

Purification Method:
Protein A purfication

CloneNo.:
241791B7

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse

Background Information

TNFSF11, known as Tumor Necrosis Factor Superfamily Member 11, also known as RANKL (Receptor Activator of Nuclear Factor-κB Ligand), TRANCE, etc., is a member of the Tumor Necrosis Factor (TNF) superfamily.RANKL is a type II homotrimeric transmembrane protein located primarily at the plasma membrane. RANKL is a type II homotrimeric transmembrane protein located mainly at the plasma membrane, and in addition to the membrane-bound form (mRNAKL), it can also be cleaved by proteolytic cleavage of the cell membrane to produce the soluble form (sRANKL). The membrane-bound form of RANKL is the main form involved in triggering the RANKL/RANK signaling pathway and mediating osteoclastogenesis. Current studies have shown that TNFSF11 acts primarily in the immune and skeletal systems and has been implicated in the pathogenesis of degenerative bone diseases, carcinogenesis, and asthma.
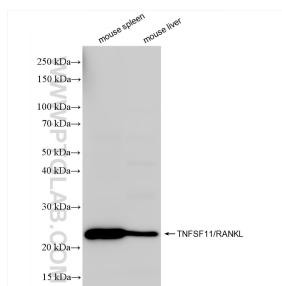
Storage
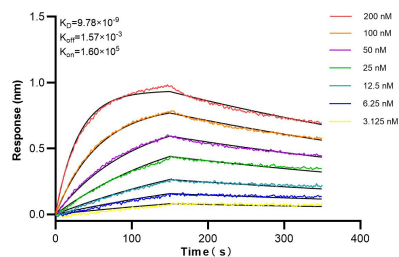
Storage:
Store at -80℃.
Storage Buffer:
PBS Only

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 84431-5-RR (TNFSF11 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84431-5-PBS in a different storage buffer formulation.

Biolayer interferometry (BLI) kinetic assays of 84431-5-RR against Mouse TNFSF11 were performed. The affinity constant is 9.78 nM.