



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## TNFSF11 (Human) Matched Antibody Pair

Catalog # : H00008600-AP41

規格 : [ 1 Set ]

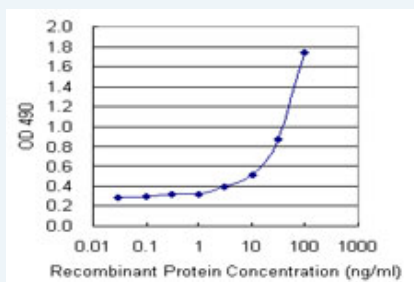
[List All](#)

### Specification

**Product Description:** This antibody pair set comes with matched antibody pair to detect and quantify protein level of human TNFSF11.

**Reactivity:** Human

**Quality Control Testing:** Standard curve using mammalian expressed recombinant protein as an analyte.



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

**Supplied Product:** Antibody pair set content:  
 1. Capture antibody: mouse monoclonal anti-TNFSF11, IgG1 Kappa (100 ug)  
 2. Detection antibody: biotinylated mouse monoclonal anti-TNFSF11, IgG1 Kappa (50 ug)  
 \*Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.

**Storage Instruction:** Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

**MSDS:**  [Download](#)

### Applications

ELISA Pair (Recombinant protein)

 [Protocol Download](#)

### Gene Information

**Entrez GeneID:** [8600](#)

**Gene Name:** TNFSF11

**Gene Alias:** CD254,ODF,OPGL,OPTB2,RANKL,TRANCE,hRANKL2,sOdf

**Gene Description:** tumor necrosis factor (ligand) superfamily, member 11

**Omim ID:** [259710](#), [602642](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** 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. [provided by RefSeq]

**Other Designations:** OTTHUMP00000178585, TNF-related activation-induced cytokine, osteoclast differentiation factor, osteoprotegerin ligand, receptor activator of nuclear factor kappa B ligand, tumor necrosis factor ligand superfamily, member 11

### Gene Pathway

[Cytokine-cytokine receptor interaction](#)

### Related Disease

[Acute Disease](#) [Alveolar Bone Loss](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Arthritis, Rheumatoid](#) [Bone Diseases, Metabolic](#) [Bone Resorption](#) [Calcinosis](#) [Cardiovascular Diseases](#) [Diabetes Complications](#) [Diabetes Mellitus, Type 2](#) [Disease Progression](#) [Edema](#) [Fractures, Bone](#) [Fractures, Spontaneous](#) [Genetic Predisposition to Disease](#) [Lupus Erythematosus, Systemic](#) [Metabolic Syndrome X](#) [Neoplasms](#)

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