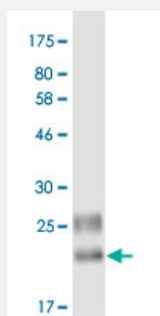


# TNFSF11 monoclonal antibody (M24), clone 7H5

Catalog # H00008600-M24

Size 100 ug

## Applications



Western Blot detection against Immunogen (19.8 KDa) .

## Specification

|                                      |                                                                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant TNFSF11.                                                                                                |
| <b>Immunogen</b>                     | TNFSF11 (AAH74890.1, 158 a.a. ~ 317 a.a) partial recombinant protein.                                                                                                  |
| <b>Sequence</b>                      | SKLEAQPFAHLTINATDIPSGSHKVSLSWYHDRGWGKISNMTFSNGKLIVNQDGFYYLYANICFRH<br>HETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFYSINVGGFFKLRSGEESIE<br>VSNPSLLDPDQDATYFGAFKVRDID |
| <b>Host</b>                          | Mouse                                                                                                                                                                  |
| <b>Reactivity</b>                    | Human                                                                                                                                                                  |
| <b>Interspecies Antigen Sequence</b> | Mouse (89)                                                                                                                                                             |
| <b>Isotype</b>                       | IgG1 Kappa                                                                                                                                                             |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (19.8 KDa) .                                                                |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                                                                      |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                               |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — TNFSF11

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">8600</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GeneBank Accession# | <a href="#">BC074890.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protein Accession#  | <a href="#">AAH74890.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name           | TNFSF11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Alias          | CD254, ODF, OPGL, OPTB2, RANKL, TRANCE, hRANKL2, sOdf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Description    | tumor necrosis factor (ligand) superfamily, member 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Omim ID             | <a href="#">259710 602642</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Summary        | <p>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]</p> |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Pathway

- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Acute Disease](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Bone Diseases](#)
- [Bone Resorption](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Periodontitis](#)
- [Prosthesis Failure](#)
- [Scoliosis](#)
- [Spinal Fractures](#)

- [Tobacco Use Disorder](#)