



20150116ML

Anti-Mouse TNFRSF11B (#13H21)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M480
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of TNFRSF11B.

Target Background

Synonyms (Target):	Tnfrsf11b; Opg; TR1; OCIF
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Osteoprotegerin (OPG)/osteoclastogenesis inhibitory factor (OCIF) is a member of the TNF receptor superfamily and is now referred to as TNFRSF11B. It is an osteoblast secreted decoy receptor that binds specifically to osteoprotegerin ligand (OPGL/TNFSF11) to inhibit osteoblast maturation. It is also a decoy receptor for TRAIL and inhibits TRAIL-induced apoptosis. Human and mouse OPG share approximately 84% and 94% amino acid sequence identity, respectively, with rat OPG. Natural OPG exists predominantly as disulfide-linked dimers.

Database References Target

Protein RefSeq:	NP_032790.3
Uniprot ID:	O08712
mRNA RefSeq:	NM_008764.3

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#13H21)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	Mouse recombinant protein TNFRSF11B
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects specifically mouse TNFRSF11B with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:250-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!