



20150217ML

# Anti-Human TNFRSF11B (#7D37)

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

<b>Cat.-no.:</b>	<b>101-M655</b>
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 mouse) immunized with recombinant human TNFRSF11B, also called Osteoprotegerin.

## Target Background

<b>Synonyms (Target):</b>	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

<b>Protein RefSeq:</b>	NP_002537.3
<b>Uniprot ID:</b>	O00300
<b>mRNA RefSeq:</b>	NM_002546.3

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#7D37)
<b>Isotype</b>	IgG1
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant human TNFRSF11B
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	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 was selected for its ability to detect human TNFRSF11B.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB, N

**Recommended usage:**

Neutralization of soluble TNFRSF11B bioactivity: Yes

WB: Use at 1:500-1000

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