

Product Datasheet

Osteoprotegerin Antibody

Catalog No: DY1305

Reactivity: Human

Isotype: Rabbit IgG

Applications: IHC ICC/IF



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Information

UniProt ID: O00300

All Names: Former Catalog No. **CY10305**; OCIF; OPG; Osteoclastogenesis inhibitory factor; Osteoprotegerin; PDB5; TNFRSF11B; TR1;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: kDa

Application

IHC 1:50~1:200

ICC/IF 1:50~1:200

Background

Acts as decoy receptor for RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local RANKL/OPG ratio. May also play a role in preventing arterial calcification. May act as decoy receptor for TRAIL and protect against apoptosis. TRAIL binding blocks the inhibition of osteoclastogenesis.

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