

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Osteoprotegerin/TNFRSF11B in ELISAs. It has been reported (1), and R&D Systems testing has confirmed, that this antibody shows strong cross-reactivity with an unrelated protein, human Carbonic Anhydrase II. In Western blots, this antibody
Source	Monoclonal Mouse IgG _{2A} Clone # 69127
Purification	Protein A or G purified from ascites
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Osteoprotegerin/TNFRSF11B Glu22-Leu401 Accession # O00300
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Osteoprotegerin is a member of the TNF receptor superfamily expressed by many cell types. It exists in soluble monomeric and dimeric forms as a decoy receptor for its ligands, TRANCE and TRAIL. Osteoprotegerin functions as an antagonist to RANKL-induced osteoclastogenesis and bone resorption.

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