

PRODUCT DATA SHEET

Osteoprotegerin Human, Mouse Monoclonal Antibody, Clone: OPG-13

Cat. No.: RD182003110-13

Size: 0.1 mg

Source of Antigen: Synthetic peptide

Type: Monoclonal Antibody

Host: Mouse

Isotype: IgG1

Other Names:

OPG, Osteoclastogenesis inhibitory factor, OCIF, TNFRSF11B, Tumor Necrosis Factor Receptor Superfamily Member 11B

Preparation:

The antibody is a mouse monoclonal antibody against synthetic peptide of Human Osteoprotegerin. The peptide comprises AA21 to AA39 homologous with Human Osteoprotegerin (N-terminal C has been added to the peptide).

Purification Method:

Affinity chromatography on a column with immobilized protein G.

Species Reactivity:

Human. Not yet tested in other species.

Antibody Content:

0.1 mg (determined by BCA method, BSA was used as a standard)

Formulation:

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2.

Reconstitution:

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.

Quality Control:

SDS PAGE - to determine purity of the antibody

BCA - to determine quantity of the antibody

Applications:

Immunohistochemistry, Western blotting

Note:

This product is for research use only.