

## PRODUCT DATA SHEET

### Osteoprotegerin Human, Mouse Monoclonal Antibody, Clone: OPG-01

**Cat. No.:** RD182003110-01

**Size:** 0.1 mg

**Source of Antigen:** E. coli

**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 recombinant Human Osteoprotegerin. The human Osteoprotegerin is a OPG Fc.

**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. **\*\*AZIDE FREE\*\***.

**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  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

Western blotting

**Note:**

This product is for research use only.