PRODUCT DATA SHEET

Product: **Anti-Osteoprotegerin mAb, clone Bony-1**

Cat. No.: **MC-332 (100 µg)**

Synonyms:
OPG, TNFRSF 11B, Osteoclastogenesis Inhibitory Factor

Background:
Osteoprotegerin (OPG) is a secretory glycoprotein belonging to the TNF receptor superfamily. OPG consists of 401 aa with a molecular weight of 55 kDa as a monomer and 110 kDa as a disulphide-linked dimer. It acts as a soluble factor in the regulation of bone mass and may be beneficial in the treatment of osteoporosis associated with increased osteoclast activity.

Specificity:
Recognizes human osteoprotegerin (OPG).

Species Reactivity:
Human. Others not tested.

Ig Isotype:
Rat IgG_{2a}

Immunogen:
Recombinant human OPG cysteine-rich region (aa 22-202).

Source:
Purified from concentrated hybridoma tissue culture supernatant.

Format:
100 µg of purified antibody at 1 mg/mL in PBS containing 0.02% sodium azide. Purity ≥ 95% by SDS-PAGE.

Storage:
Store at 4°C for short term and at -20°C for long term. Aliquot to avoid repeat freeze/thaw cycles.

Applications and Suggested Dilutions:
- Flow Cytometry: Use antibody at a 1:1,000 dilution.
- Immunoprecipitation: Use antibody at a 1:200 dilution .

The optimal dilution for a specific application should be determined by the researcher.

Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.