

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: E24170M **Lot #:** 1J27822

Description: MAb to PTH (a.a. 15-25)
Monoclonal Antibody to Human Parathyroid Hormone (PTH), Amino Acids 15-25

Specificity: Human PTH peptide (a.a. 15-25). Does not cross-react with Synthetic human PTH peptide (a.a. 1-3 or a.a. 1-10).

Host Animal: Mouse **Isotype:** IgG₁

Source: Tissue Culture

Immunogen: Synthetic human PTH peptide (1-38) poly Lys. conjugated.

Format: Purified, Lyophilized
Reconstitute with 1 mL double distilled water.

Purification: Protein G Chromatography

Concentration: 1 mg/mL (prior to lyophilization).

Buffer: Lyophilized from 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.4, containing 20 mM D-(+)-Trehalose Dihydrate and 40 mM D-(-)Mannitol.

Preservative: None

Applications: Suitable for use in RIA (20 ng/mL) and Immunohistochemistry (2 µg/mL). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store lyophilized product at 2-8°C. After reconstitution, store at -20°C. Avoid multiple freeze/thaw cycles.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The references listed below are for research purposes only:

1. Tampe, J., et al., (1992), "Characterization of antibodies against human N-terminal parathyroid hormone by epitope mapping", J. Immunoassay, **13**, 1-13.
2. Gao, P., et al., (1996), "Immunochemiluminometric assay with two monoclonal antibodies against the N-terminal sequence of human parathyroid hormone", Clin. Chem. Acta., **245**, 39-59.
3. Klaus, G., et al., (1994), "Synergistic effects of parathyroid hormone and 1.25-dihydroxyvitamin D3 on proliferation and vitamin D receptor expression of rat growth cartilage cells", Endocrinology, **135**, 1307-1315.

Quality Signature:



04 Oct 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY