

PRODUCT DATA SHEET

Leptin Receptor Human, Mouse Monoclonal Antibody, Clone: LPR-02

Cat. No.: RD182002110-02**Size:** 0.1 mg**Source of Antigen:** NSO mouse myeloma cell line**Type:** Monoclonal Antibody**Host:** Mouse**Isotype:** IgG1**Other Names:****Preparation:**

The antibody is a mouse monoclonal antibody against recombinant Human Leptin Receptor. The Human Leptin Receptor is a recombinant protein produced in mouse myeloma cell line. DNA sequence including the extracellular domain of Leptin Receptor (amino acid residues 1 839) fused to the Fc region of human IgG (with IIEGR added at the amino terminus and 6 histidine residues added at the carboxy terminus).

Purification Method:

Affinity chromatography on a column with immobilized protein G.

Species Reactivity:

Human. Does not react with mouse. 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:

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

Applications:

ELISA, Immunohistochemistry, Western blotting

Note:

This product is for research use only.