

Certificate of Analysis and Data Sheet

Mouse Anti-Human Leptin (mAHuLeptin)

↻Catalog No. ANT-172	↻IMMUNOGEN r.Human Leptin	↻Ig SUBCLASS Mouse IgG1
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↻ **Background:**

Leptin inhibits food intake and stimulates energy expenditure. Leptin also has thermogenic actions and regulates enzymes of fatty acid oxidation. Severe hereditary obesity in rodents and humans is caused by defects in leptin production .In addition to its critical role in the physiologic regulation of body weight leptin has a variety of other physiologic and pathologic functions resembling those of cytokines . These functions include the regulation of hematopoiesis , angiogenesis , wound healing , inflammation , and immune responses.

↻ **Purification Method:**

Ion exchange.

↻ **Protein Concentration:**

1 mg/ml in PBS (after reconstitution).

↻ **Shipping Conditios:**

Antibody is shipped lyophilized at ambient temperature.

↻ **Storage Procedure:**

In lyophilized form, for long periods, store at 4⁰C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20⁰C.

↻ **Reconstitution:**

Reconstitute with sterile H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

↻ **Stability:**

Two years lyophilized, one month in solution at 4⁰C.

➤ **Application:**

Direct ELISA, Western Blot, Immunoprecipitation.

➤ **Titer:**

By direct ELISA, 1:10,000 dilution will yield 0.8 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories).

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.