

Product Specification Sheet

Product: IgG fraction of Anti-Mouse Leptin [Rabbit]

Code: 210-401-320

Lot #: 6449

Size: 1.0 mg

Physical State: Liquid (sterile filtered)

Protein Concentration: 1.0 mg/ml (by UV absorbance at 280 nm)

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Storage Conditions: Store vial at -20° C prior to opening. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is six (6) months from date of opening.

Application Note(s): This IgG fraction of anti-Mouse Leptin has been tested for use in ELISA and immunoblotting. Reactivity in other immunoassays is unknown. Obesity associated leptin is the product of the OB gene and has been identified with Type II diabetes.

Recommended Dilution(s): This product has been assayed by immunoblot against tissue homogenates using HRP Goat-anti-Rabbit IgG [H&L] (code # 611-1302) and TMB as a substrate. A working dilution range of 1:200 to 1:400 is suggested for this application. This product has been assayed by ELISA against recombinant mouse leptin using HRP Conjugated Anti-Rabbit IgG [H&L] (Goat) (code # 611-1302) and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1:2,400 is suggested for this product. Optimal titers for other applications should be determined by the researcher.

Purity and Specificity: This is an IgG preparation of whole rabbit serum purified by Protein G chromatography. The antibody will recognize recombinant and native 16 kDa leptin from mouse. Reactivity with leptin from other sources is unknown.

Endotoxin Content: <10 pg/μl by LAL method.

Immunogen: The whole rabbit serum used to produce this IgG fraction antibody was prepared by repeated immunizations with recombinant mouse leptin 16,000 MW produced in *E. coli*.

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.