



Leptin (Ob, Obese Protein, Obesity Factor) discontinued

Catalog number

L1669-03A

Supplier

United States Biological

Secreted leptin associates with proteins within the bloodstream and is transported to the brain, where it inhibits or up-regulates the activity of neuropeptides such as neuropeptide Y (NPY) and alpha-melanocyte-stimulating hormone respectively. Leptin is a recognised marker of obesity, with a correlation between circulating levels of leptin and body fat mass, and defects in leptin production result in severe obesity. Regulators of leptin expression include insulin, cortisol, cAMP and thiazolidinediones.

Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

Recommended Dilution

Western Blot: 0.1-0.2ug/ml
Optimal dilutions to be determined by the researcher.

Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute by adding sterile 40-50% glycerol, ddH₂O, 0.09% sodium azide. Aliquot and store at -20°C. Reconstituted product is stable for 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Recombinant human leptin.

Formulation

Supplied as a lyophilized powder in PBS, pH 7.2. Reconstitute with 100ul sterile 40-50% glycerol, ddH₂O, 0.09% sodium azide.

Purity

Purified

Specificity

Recognizes human leptin, at 16kD.

Product Type

Pab

Source

human

Isotype



IgG

Grade

Purified

Applications

E WB

Crossreactivity

Hu

Storage

-20°C

Reference

1. Paracchini, V. et al. (2005) Genetics of leptin and obesity: a HuGE review. Am. J. Epidemiol. 162: 101-114.