



Monoclonal antibody against human Leptin

Product No. BP022-03

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Description

Leptin, also called obesity factor, is a protein produced by adipose tissue, which has a regulatory influence on food intake, energy metabolism and reproduction. Leptin may also play a role in immune and inflammatory responses and hematopoiesis.

Preparation

BP012-28 is a mouse IgG1/k monoclonal antibody purified from cell culture supernatant by Protein A/G affinity chromatography. Recombinant human leptin was used as the immunizing antigen.

Specificity

BP022-03 binds human leptin.

Epitope Specificity

The epitope of BP022-03 differs from the epitope of ABS 022-11.

Reactivity

BP022-03 binds free leptin in solution. The ELISA dilution guideline applies to leptin coated directly at 1.0 mg/mL. In sandwich ELISA, BP022-03 works as capture antibody with BP022-11 as detection antibody.

Presentation

Screw capped vial containing 100 µg of purified IgG. Concentration 1 mg/ml 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide.

Storage and Stability

Store the antibody at 2°-8°C. The antibody may be aliquoted and stored frozen at -20°C or colder. It is recommended to avoid freeze-thaw cycles.

Applications

ELISA