

**Anti Leptin**
Mouse monoclonal antibody

Subclass: IgG1/k

PRODUCT NO.

ABS 022-03

PRESENTATION

Preparation: Protein-A/G purified
Content: Available in 200 µL and 1 mL, 1 mg/mL
Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Storage: In the dark at 4-8°C

ANTIGEN

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

IMMUNOGEN

Recombinant leptin (human)

SPECIFICITY

ABS 022-03 binds human leptin

EPI TOPE SPECIFICITY

The epitope of ABS 022-03 differs from the epitope of ABS 022-11 but overlaps with the epitope of ABS 022-06

REACTIVITY

ABS 022-03 binds free leptin in solution. The ELISA dilution guideline applies to leptin coated directly at 1.0 mg/mL. In sandwich ELISA, ABS 022-03 works as capture antibody with ABS 022-11 as detection antibody.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2mL6.

IMMUNIZATION

Female BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH)₃

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:40,000	
Immunoblotting	Not determined		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 0.1-1 µg/ml. Users should determine the optimal dilutions for their own purposes.

REFERENCES

CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.