



Focus on Adipokines

Order Information

Code No.: A00020-09-50

Clone No.: 1D3C5

Lot No.: 000035

Size: 50 μ L

Host: Mouse

Immunogen: human
Omentin1, rec.

Specificity: Human

Formulation: Liquid form

IgG Type: IgG

Storage: -20 °C

Application: ELISA

IHC

THIS PRODUCT IS FOR RESEARCH
ONLY. NOT FOR USE IN HUMANS.

Human Omentin 1 Monoclonal Antibody

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, *E. coli*-derived, recombinant human Omentin 1 (Thr¹⁹-Arg³¹³), His Tag on N-Terminal.

Formulation

50 μ L of net mice Ascites fluid in liquid form.

Storage

This antibody can also be aliquotted (by 10 μ L per vial) and stored frozen at -20° C to -70° C in a **manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

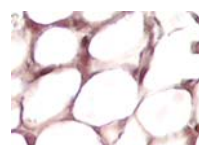
This antibody has been selected for its ability to recognize human Omentin1 in direct ELISAs and western blots. But it does not show any crossreactivity with mouse FGF-21, rat Visfatin and FABP-4, human FGF-21, RBP-4, Leptin, Adiponectin, Resistin, Insulin, TNF- α , IL-6, Chemerin, FABP4 as well as vaspin.

Applications

Direct ELISA - This antibody can be used at 1: 5000 with the appropriate secondary reagents to detect human Omentin 1.

Immunohistochemistry-That Antibody can be used at 1: 200 with the appropriate secondary antibody to detect Omentin 1 in human visceral adipose tissues (ABC).

Optimal dilutions should be determined by each laboratory for each application.



Immunohistochemistry staining Human visceral white fat tissue using Anti-h Omentin 1 Monoclonal Antibody

Omentin 1 is highly expressed in omental adipose tissue. As a secreted novel depot-specific adipokine, Omentin 1 has no effect on basal glucose uptake but enhances insulin-stimulated glucose uptake in adipocytes. Omentin1 increases AKT phosphorylation in the absence and presence of insulin. Decreased Omentin 1 levels are associated with increasing obesity and insulin resistance.

ADIPOBIOTECH

Tel: 010-81786624; 010-81786244, Email: Info@AdipoBiotech.com; www.AdipoBiotech.com