

Product Specification Sheet

RELM-alpha/FIZZ1 Antibodies

Cat. RELMA13-M	Rat monoclonal Anti-Mouse RELM-alpha ascites	SIZE: 100 ul
	FORM: Soln Lyophilized	
Cat. RELMA11-C	Recombinant mouse RELM-Alpha protein for WB +ve control	SIZE: 100 ul
	FORM: Soln	

RELM-alpha/FIZZ1/PMNG1 (Parasite-induced Macrophage Novel Gene 1) (prepeptides: mouse/rat 111 aa; ~77% identity) is 63% related to resistin at the C-terminus (38 aa). The N-terminus of RELM-alpha is less conserved at the N-terminus. RELM-alpha mRNA was most abundant in white adipose tissue. It is also expressed in mammary tissue with significant fat pads. Unlike resistin, RELM-alpha is not expressed in 3T3-L1 adipocyte or in preadipocytes. It is also found in heart, lung and tongue, where resistin is absent. FIZZ1 expression is induced hypertrophic, hyperplastic bronchial epithelium.

Source of Antigen and Antibodies

Antigen	Recombinant purified Mouse RELM-alpha protein
Ab Host/type	Rat, monoclonal unpurified ascites (#RELMA13-M), isotype IgG2a
2-Ab	Goat Anti-Rat IgG-HRP conjugate Cat # 50320 (AP, biotin, FITC conjugates also available)

Mouse RELMA11-C protein for Western blot +ve control (Cat # RELMA11-C) is supplied in SDS-PAGE sample buffer (reduced). Load 10 ul/lane of RELMA11-C for good visibility with antibody Cat # RELMA11-S. Store at -20oC in suitable size aliquots. SDS may crystallize in cold conditions. It should redissolve by warming before taking it from the stock. It should be heated once prior to loading on gels. If the product has been stored for several weeks, then it may be preferable to add 5 ul of fresh 2x sample buffer per 10 ul of the RELMA11-C solution prior to heating and loading on gels. This preparation is not biologically active. It is not suitable for ELISA or other applications where native protein is required. This preparation is intended for qualitative purpose and not to serve as standard of known concentration. Do not freeze, thaw, or heat repeatedly

Form & Storage of Antibodies/Peptide Control

Ascites (unpurified, undiluted)

100 ul/vial solution contains 0.05% sodium azide

50 ul/vial lyophilized powder

Reconstitute powder 50 ul or 100 ul PBS

Storage

Short-term: unopened, undiluted liquid vials for less than a week at 4oC.

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.

Shipping: 4oC for solutions and room temp for powder.

Recommended Usage

Western Blotting 1:500-1:2000 using ECL

ELISA (1:10K-1:100K; using 50-100 ng of control peptide/protein/well).

Histochemistry & Immunofluorescence: Not tested. We recommend the use of affinity purified antibody at 5-10 ug/ml in formaldehyde fixed tissue.

Specificity & Cross-reactivity

The RELMA13-M antibodies are specific for the mouse RELM-alpha. No significant reactivity is observed with rat or human RELM-Alpha proteins. Cat # RELMA11-C can be used positive control for Western. Antibody crossreactivity in various other species is not established.

General References: (1) Stepan CM et al (2001) Nature 409, 307; Stepan CM et al (2001) PNAS 98, 502; Holcomb IN et al (2000) EMBO J. 19, 4046-4055; Kim K-H et al (2001) JBC, 11252-11256

*This product is for in vitro research use only.

Related material available from ADI

Adiponectin, Leptin, Resistin ELISA kits

RELMA13-M 50412A

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi - 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile:

+91-9810521400 Fax: +91-11-42208444 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com