

Product Specification Sheet

RELM-alpha/FIZZ1 Antibodies

Cat. RELMA14-M **Mouse** monoclonal Anti-Rat RELM-alpha ascites **SIZE:** 100 ul
FORM: Soln **Lyophilized**

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 rat RELM-alpha protein
Ab Host/type	Mouse, monoclonal unpurified ascites (#RELMA14-M), isotype IgG2a
2-Ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40320 (AP, biotin, FITC conjugates also available)

Specificity & Cross-reactivity

The RELMA14-M antibodies are specific for the rat RELM-alpha. No significant reactivity is observed with mouse or human RELM-Alpha proteins. Antibody crossreactivity in various other species is not established.

General References: (1) Steppan CM et al (2001) Nature 409, 307; Steppan 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

RELMA14-M 50412A

Form & Storage of Antibodies/Peptide Control

Ascites (unpurified, undiluted)
100 ul/vial 50 ul/vial
solution lyophilized powder
contains 0.05% sodium azide
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.

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