



Anti-Mouse RELM alpha

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	103-P80
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant murine RELM α . Anti-Murine RELM α specific antibody was purified by affinity chromatography employing immobilized murine RELM α matrix.

Target Background

Synonyms (Target):	Retnla; HIMF; Xcp2; Fizz1; RELM α ; Fizz-1; RELMalpha; RELM-alpha; 1810019L16Rik
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RELM α , also known as 'found in inflammatory zone 1' (FIZZ1) belongs to the RELM/FIZZ family of cysteine rich secretory proteins. RELM α is most abundantly expressed in white adipose tissue but not in pre-adipocytes or 3T3L1 adipocytes. RELM α expression is also detected in mammary tissue, heart, lung, and tongue.

Database References Target

Protein RefSeq:	NP_065255.2
Uniprot ID:	Q9EP95
mRNA RefSeq:	NM_020509

Product Specifications

Species reactivity	Mouse
Clone/Ab feature	Rabbit IgG
Cross reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human RELM-alpha
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect RELM α by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant RELM α is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA:

Indirect: To detect RELM α by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant RELM α .

Sandwich: To detect RELM α by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with an appropriate secondary conjugated antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant RELM α .

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!