Resistin (RETN) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Resistin (RETN), Monoclonal Antibody
Full Product Name	PE Linked Monoclonal Antibody to Resistin (RETN)
Product Gene Name	anti-RETN antibody
Product Synonym Names	RETN/Resistin; ADSF; FIZZ3; RETN1; RSTN; XCP1; Adipose tissuespecific secretory factor; C/EBPepsilonregulated myeloidspecific secreted cysteinerich protein; Cysteinerich secreted FIZZ3
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	C3
Host	Mouse
Species Reactivity	Mouse
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	>=0.1mg/mL (Please refer to the vial label for the specific concentration.) (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against RETN. It has been selected for its ability to recognize RETN in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: RETN Clone #C3 (MBS2138771) PE Conjugated Antibody: RETN Clone #C3 (MBS2131663)
Molecular Weight	12,492 Da
3D Structure	ModBase 3D Structure for Q99P87
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Ser21~Ser114
Conjugation	PE
Product Categories/Family for anti-RETN antibody	Metabolic pathway; Endocrinology; Cardiovascular biology; Primary, PE labeled
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-RETN antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-RETN antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL

Related Product Information for anti-RETN antibody	MBS2131663 is an antibody targeting RETN. Also known as PE Linked Monoclonal Antibody to Resistin (RETN). Reactive in Mouse. Host: Mouse.
Other Notes	Small volumes of anti-RETN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RETN. It may not necessarily be applicable to this product.

NCBI GI #	326368221
NCBI GeneID	57264
NCBI Accession #	NP_001191888.1
UniProt Primary Accession #	Q99P87
UniProt Related Accession #	Q99P87
GenBank Nucleotide #	NM_001204959.1
NCBI Official Full Name	resistin
NCBI Official Synonym Full Names	resistin
NCBI Official Symbol	Retn
NCBI Official Synonym Symbols	ADSF; Rstn; Xcp4; Fizz3
UniProt Protein Name	Resistin
UniProt Synonym Protein Names	Adipose tissue-specific secretory factor; ADSF; Adipose-specific cysteine-rich secreted protein A12-alpha; Cysteine-rich secreted protein FIZZ3
Protein Family	Protein dead ringer
UniProt Gene Name	Retn
UniProt Synonym Gene Names	Fizz3; ADSF
UniProt Entry Name	RETN_MOUSE
NCBI Protein Information	resistin; adipose tissue-specific secretory factor; adipose-specific cysteine-rich secreted protein A12-alpha; cysteine-rich secreted protein FIZZ3; dominant inhibitory adipocyte-specific secretory factor; found in inflammatory zone 3
UniProt Comments for RETN	resistin: Hormone that seems to suppress insulin ability to stimulate glucose uptake into adipose cells. Potentially links obesity to diabetes. Belongs to the resistin/FIZZ family. Protein type: Secreted; Secreted, signal peptide Cellular Component: extracellular space; extracellular region; nucleus Molecular Function: hormone activity Biological Process: fat cell differentiation; positive regulation of smooth muscle cell proliferation; positive regulation of smooth muscle cell migration; positive regulation of synaptic transmission; response to insulin stimulus
Research Articles on RETN	**1.** Resistin regulates PAI-1 expression in 3T3-L1 adipocytes via Akt phosphorylation.
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