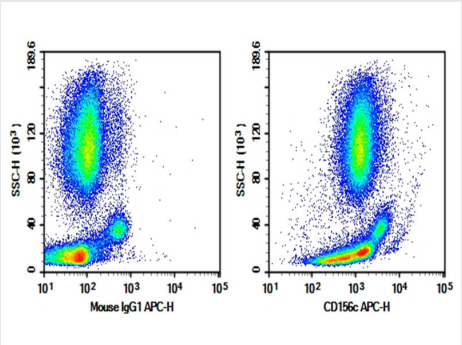
CD156c Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD156c, Antibody
Full Product Name	Purified Anti-Human CD156c Antibody [SHM14]
Product Gene Name	anti-CD156c antibody
Product Synonym Names	CDw; ADAM; ADAM metallopeptidase domain; a disintegrin and metalloprotease domain; a disintegrin and metalloproteinase domain; disintegrin and metalloproteinase domain-containing protein; ADAM10; AD10; AD18; CD156c; CDw156; HsT18717; MADM; RAK; kuz; Kuzbanian; a disintegrin and metalloprotease domain 10; a disintegrin and metalloproteinase domain 10; ADAM metallopeptidase domain 10; CD156c antigen; disintegrin and metalloproteinase domain-containing protein 10; Kuzbanian protein homolog; Mammalian disintegrin-metalloprotease; ADAM metallopeptidase domain 10; CD156c; CDw156; HsT18717; kuz; MADM; AD 10; ADA10; ADAM 10; CD 156c; disintegrin and metalloproteinase domain containing protein 10; Drosophila; homolog of; HsT 18717; Mammalian disintegrin metalloprotease
Isotype	IgG1, kappa
Clone Number	SHM14
Host	Mouse
Species Reactivity	Human
Preparation and Storage	Store at 4 degree C valid for 12 months or -20 degree C valid for long term storage, avoid freeze/thaw cycles.
Molecular Weight	84,142 Da
Chromosome Location	Chromosome: 15; NC_000015.9 (58888510..59042177, complement). Location: 15q22
OMIM	602192
3D Structure	ModBase 3D Structure for O14672
Conjugation	Unconjugated
Product Categories/Family for anti-CD156c antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies; Cell Biology; Signal Transduction; Cancer
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD156c antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD156c antibody	MBS2585328 is an antibody targeting CD156c. Also known as Purified Anti-Human CD156c Antibody [SHM14]. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-CD156c 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.



Testing Data of anti-CD156c antibody
Human peripheral blood were stained with 0.2 ?g Purified Anti-Human CD156c Antibody[SHM14] (Right) and 0.2 ?g Mouse IgG1, ? Isotype Control(Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD156c. It may not necessarily be applicable to this product.

NCBI GI #	2393947
NCBI GeneID	102
NCBI Accession #	AAC51766.1
UniProt Primary Accession #	O14672
UniProt Secondary Accession #	Q10742; Q92650
UniProt Related Accession #	O14672
NCBI Official Full Name	ADAM10
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 10
NCBI Official Symbol	ADAM10
NCBI Official Synonym Symbols	kuz; AD10; MADM; CD156c; HsT18717
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 10
UniProt Synonym Protein Names	CDw156; Kuzbanian protein homolog; Mammalian disintegrin-metalloprotease
Protein Family	Disintegrin and metalloproteinase domain-containing protein
UniProt Gene Name	ADAM10
UniProt Synonym Gene Names	KUZ; MADM; ADAM 10
UniProt Entry Name	ADA10_HUMAN
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 10; CDw156; ADAM 10; kuzbanian protein homolog; mammalian disintegrin-metalloprotease; a disintegrin and metalloprotease domain 10; a disintegrin and metalloproteinase domain 10
NCBI Summary for CD156c	Members of the ADAM family are cell surface proteins with a unique structure possessing both potential adhesion and protease domains. This gene encodes and ADAM family member that cleaves many proteins including TNF-alpha and E-cadherin. [provided by RefSeq, Jul 2008]

UniProt Comments for CD156c	ADAM10: Cleaves the membrane-bound precursor of TNF-alpha at '76-Ala-|-Val-77' to its mature soluble form. Responsible for the proteolytical release of soluble JAM3 from endothelial cells surface. Responsible for the proteolytic release of several other cell-surface proteins, including heparin-binding epidermal growth- like factor, ephrin-A2 and for constitutive and regulated alpha- secretase cleavage of amyloid precursor protein (APP). Contributes to the normal cleavage of the cellular prion protein. Involved in the cleavage of the adhesion molecule L1 at the cell surface and in released membrane vesicles, suggesting a vesicle-based protease activity. Controls also the proteolytic processing of Notch and mediates lateral inhibition during neurogenesis. Responsible for the FasL ectodomain shedding and for the generation of the remnant ADAM10-processed FasL (FasL APL) transmembrane form. Also cleaves the ectodomain of the integral membrane proteins CORIN and ITM2B. May regulate the EFNA5-EPHA3 signaling. Protein type: Cell adhesion; Vesicle; Motility/polarity/chemotaxis; Protease; Membrane protein, integral; EC 3.4.24.81; Cell surface Chromosomal Location of Human Ortholog: 15q22 Cellular Component: Golgi apparatus; cell surface; focal adhesion; membrane; intracellular membrane-bound organelle; cytoplasm; postsynaptic density; plasma membrane; integral to membrane; Golgi-associated vesicle; nucleus Molecular Function: integrin binding; protein binding; protein homodimerization activity; zinc ion binding; metallopeptidase activity; metalloendopeptidase activity; endopeptidase activity; protein kinase binding; SH3 domain binding; receptor binding Biological Process: integrin-mediated signaling pathway; epidermal growth factor receptor signaling pathway; axon guidance; extracellular matrix organization and biogenesis; Notch signaling pathway; in utero embryonic development; constitutive protein ectodomain proteolysis; membrane protein ectodomain proteolysis; Notch receptor processing; negative regulation of cell adhesion; protein amino acid phosphorylation; positive regulation of cell growth; extracellular matrix disassembly; collagen catabolic process; PMA-inducible membrane protein ectodomain proteolysis; monocyte activation; cell-cell signaling; positive regulation of cell proliferation; ephrin receptor signaling pathway; positive regulation of cell migration Disease: Reticulate Acropigmentation Of Kitamura; Alzheimer Disease 18
Research Articles on CD156c	**1.** MiR-144 and Mir-451 negatively regulator the ADAM10 protein expression and may contribute to Alzheimer disease pathogenesis.
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