Complement Component 8a (C8A) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Complement Component 8a (C8a), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Complement Component 8a (C8a)
Product Gene Name	anti-C8a antibody
Product Synonym Names	Complement Component 8, Alpha Polypeptide; Complement Component 8 Deficiency, Type I
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: C8a (MBS2034084) PE Conjugated Antibody: C8a (MBS2072941)
Matching Pairs	PE Conjugated Antibody: C8a (MBS2072941) Immunogen: C8a (MBS2034201)
Molecular Weight	65,163 Da
OMIM	M16974 mRNA
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	C8a (Gln21~Gln300)
Conjugation	PE
Cross Reactivity	Mouse
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2034084
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-C8a antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-C8a antibody	MBS2072941 is an antibody targeting C8a. Also known as PE-Linked Polyclonal Antibody to Complement Component 8a (C8a). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-C8a 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 C8a. It may not necessarily be applicable to this product.

NCBI GI #	116283647
NCBI GeneID	731
NCBI Accession #	AAH20702.1
UniProt Secondary Accession #	Q13668; Q9H130; A2RUI4; A2RUI5

UniProt Related Accession #	P07357
NCBI Official Full Name	C8A protein, partial
NCBI Official Synonym Full Names	complement C8 alpha chain
NCBI Official Symbol	C8A
UniProt Protein Name	Complement component C8 alpha chain
UniProt Synonym Protein Names	Complement component 8 subunit alpha
Protein Family	Complement component
UniProt Gene Name	C8A
NCBI Protein Information	complement component C8 alpha chain
NCBI Summary for C8a	C8 is a component of the complement system and contains three polypeptides, alpha, beta and gamma. This gene encodes the alpha subunit of C8. C8 participates in the formation of the membrane attack complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause complement C8 alpha-gamma deficiency. [provided by RefSeq, Nov 2008]
UniProt Comments for C8a	C8A: Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. C8A inserts into the target membrane, but does not form pores by itself. Defects in C8A are a cause of complement component 8 deficiency type 1 (C8D1). A rare defect of the complement classical pathway associated with susceptibility to severe recurrent infections, predominantly by Neisseria gonorrhoeae or Neisseria meningitidis. Belongs to the complement C6/C7/C8/C9 family. Protein type: Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 1p32.2 Cellular Component: extracellular region; extracellular space; membrane; membrane attack complex Biological Process: complement activation; immune response; regulation of complement activation Disease: Complement Component 8 Deficiency, Type I
Research Articles on C8a	**1.** C8 alpha and C8 beta have correspondingly similar roles in MAC-mediated lysis of erythrocytes and bacterial killing. C8 gamma is not required for complement-mediated killing of Gram-negative bacteria.
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