C8 beta Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	C8 beta, Polyclonal Antibody
Full Product Name	C8 beta Rabbit pAb
Product Gene Name	anti-C8 beta antibody
Product Synonym Names	Complement component C8 beta chain (Complement component 8 subunit beta; C8B
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C for 1 year.
OMIM	120960
3D Structure	ModBase 3D Structure for P07358
Immunogen	Synthesized peptide derived from C8 beta at AA range: 371-420
Cellular Localization	Membrane Attack Complex, Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-C8 beta antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-C8 beta antibody	WB: 1:500-2000 ELISA 1:10000-20000
Related Product Information for anti-C8 beta antibody	MBS8541014 is an antibody targeting C8 beta. Also known as C8 beta Rabbit pAb. Reactive in Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-C8 beta 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 C8 beta. It may not necessarily be applicable to this product.

NCBI GI #	514239920
NCBI GeneID	732
NCBI Accession #	NP_001265473.1
UniProt Primary Accession #	P07358
UniProt Related Accession #	P07358
GenBank Nucleotide #	NP_001265473.1
NCBI Official Full Name	complement component C8 beta chain isoform 3

NCBI Official Synonym Full Names	complement C8 beta chain
NCBI Official Symbol	C8B
NCBI Official Synonym Symbols	C82
UniProt Protein Name	Complement component C8 beta chain
UniProt Synonym Protein Names	Complement component 8 subunit beta
Protein Family	Carbonic anhydrase
UniProt Gene Name	C8B
UniProt Entry Name	CO8B_HUMAN
NCBI Protein Information	complement component C8 beta chain
NCBI Summary for C8 beta	This gene encodes one of the three subunits of the complement component 8 (C8) protein. C8 is composed of equimolar amounts of alpha, beta and gamma subunits, which are encoded by three separate genes. C8 is one component of the membrane attack complex, which mediates cell lysis, and it initiates membrane penetration of the complex. This protein mediates the interaction of C8 with the C5b-7 membrane attack complex precursor. In humans deficiency of this protein is associated with increased risk of meningococcal infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
UniProt Comments for C8 beta	C8B: 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. Defects in C8B are a cause of complement component 8 deficiency type 2 (C8D2). 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: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 1p32.2 Cellular Component: membrane attack complex; extracellular space; membrane; extracellular region; vesicle Molecular Function: protein complex binding Biological Process: cytolysis; complement activation, alternative pathway; regulation of complement activation; innate immune response; immune response; complement activation, classical pathway; complement activation Disease: Complement Component 8 Deficiency, Type Ii
Research Articles on C8 beta	**1.** These data provide a detailed specification of co-occurring C8 proteoforms, including experimental evidence on N-glycosylation, C-mannosylation, and O-glycosylation.
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