Complement C3b Beta (c3b) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Complement C3b beta, Monoclonal Antibody
Full Product Name	Complement C3b beta, Human
Product Gene Name	anti-c3b antibody
Product Synonym Names	Anti -Complement C3b beta, Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5F202
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a lyophilized powder from PBS, pH 7.4, 0.5% BSA, 0.09% sodium azide. Reconstitute with 1ml sterile ddH2O.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human complement component C3b beta. Allows demonstration of C3b deposits in tissue, on cells, on microorganisms and in immune complexes. Does not react with C3a or C3d. Inhibits hemolytic function of C3.
Preparation and Storage	Lyophilized powder may be stored at -20 degree C. Stable for 12 months at -20 degree C. Reconstitute with sterile ddH2O. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Reconstituted product is stable for 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Chromosome Location	Chromosome: 1; NC_007112.5 (56776445..56813499). Location: chromosome: 1
Immunogen	Human complement component C3.
Product Categories/Family for anti-c3b antibody	Antibodies; Abs to Complement
Applications Tested/Suitable for anti-c3b antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)
Application Notes for anti-c3b antibody	Suitable for use in Immunohistochemistry, Immunocytochemistry and Western Blot. Dilution: Immunohistochemistry (Frozen): 1:10. 1hr at RT
Related Product Information for anti-c3b antibody	The complement system is an important factor in innate immunity. The third complement component, C3, is central to the classical, alternative and lectin pathways of complement activation. The synthesis of C3 is tissue-specific and is modulated in response to a variety of stimulatory agents. An inherited deficiency of C3 predisposes the person to frequent assaults of bacterial infections. Proteolysis by certain enzymes results in the cleavage of C3 into C3a and C3b. C3b becomes attached to immune complexes and is further cleaved into iC3b, C3c, C3dg and C3f. Furthermore, C3b plays a critical role in the amplification loop of the alternative pathway.
Other Notes	Small volumes of anti-c3b 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.
Searchable Terms for c3b purchase	MBS632183 is an antibody targeting c3b. Also known as Complement C3b beta, Human. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for c3b. It may not necessarily be applicable to this product.

NCBI GI #	2935367
NCBI GeneID	30491
NCBI Accession #	AAC05098.1
NCBI Official Full Name	complement component C3B
NCBI Official Synonym Full Names	complement component c3b
NCBI Official Symbol	c3b
NCBI Official Synonym Symbols	C3-1; C3-2
NCBI Protein Information	complement component c3b; complement component C3-1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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