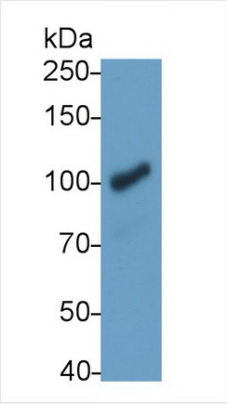
Complement Component 3a (C3A) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Complement Component 3a (C3a), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Complement Component 3a (C3a)
Product Gene Name	anti-C3a antibody
Product Synonym Names	Complement Component 3a
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	C5
Host	Mouse
Species Reactivity	Human, Pig
Form/Format	Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against C3a. It has been selected for its ability to recognize C3a in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. 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	Antibody: C3a Clone #C5 (MBS2152007) Immunogen: C3a (MBS2029925)
Matching Pairs	Unconjugated Antibody: C3a Clone #C5 (MBS2152007) HRP Conjugated Antibody: C3a Clone #C5 (MBS2140951)
Matching Pairs	Unconjugated Antibody: C3a Clone #C5 (MBS2152007) FITC Conjugated Antibody: C3a Clone #C5 (MBS2142532)
Matching Pairs	Unconjugated Antibody: C3a Clone #C5 (MBS2152007) Biotin Conjugated Antibody: C3a Clone #C5 (MBS2144111)
Matching Pairs	Unconjugated Antibody: C3a Clone #C5 (MBS2152007) Cy3 Conjugated Antibody: C3a Clone #C5 (MBS2145691)
Matching Pairs	Unconjugated Antibody: C3a Clone #C5 (MBS2152007) APC Conjugated Antibody: C3a Clone #C5 (MBS2147272)
Matching Pairs	Unconjugated Antibody: C3a Clone #C5 (MBS2152007) PE Conjugated Antibody: C3a Clone #C5 (MBS2148853)
Matching Pairs	Unconjugated Antibody: C3a Clone #C5 (MBS2152007) APC-CY7 Conjugated Antibody: C3a Clone #C5 (MBS2150433)
Molecular Weight	186,807 Da
Immunogen Sequence Positions	Ser670~Leu742

3D Structure	ModBase 3D Structure for P01025
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	Recombinant Complement Component 3a (C3a)
Product Categories/Family for anti-C3a antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Infection immunity
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-C3a antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-C3a antibody	WB: 0.5-2ug/mL IHC: 5-20ug/mL ICC: 5-20ug/mL
Related Product Information for anti-C3a antibody	MBS2152007 is an antibody targeting C3a. Also known as Monoclonal Antibody to Complement Component 3a (C3a). Reactive in Human, Pig. Host: Mouse.
Other Notes	Small volumes of anti-C3a 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.



Western Blot (WB) of anti-C3a antibody
Western Blot; Sample: human Plasma Primary Ab: 2 ug/ml Mouse Anti-Porcine C3a Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (#MBS2086035)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C3a. It may not necessarily be applicable to this product.

NCBI GI #	47522844
NCBI GeneID	397072
NCBI Accession #	NP_999174.1
UniProt Primary Accession #	P01025
UniProt Secondary Accession #	O97940; Q9GKP1
UniProt Related Accession #	P01025
GenBank Nucleotide #	NM_214009.1
NCBI Official Full Name	complement C3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	C3d

UniProt Protein Name	Complement C3
UniProt Synonym Protein Names	Complement C3 beta chainC3-beta-c; C3bc
UniProt Gene Name	C3
UniProt Synonym Gene Names	C3bc; ASP
NCBI Protein Information	complement C3
UniProt Comments for C3a	C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates ().
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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