Complement Component 5a (C5A) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Complement Component 5a (C5a), Polyclonal Antibody
Full Product Name	HRP-Linked Polyclonal Antibody to Complement Component 5a (C5a)
Product Gene Name	anti-C5a antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Pig
Form/Format	Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	500ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against C5a. It has been selected for its ability to recognize C5a in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. 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	Unconjugated Antibody: C5a (MBS2111867) HRP Conjugated Antibody: C5a (MBS2115503)
Molecular Weight	8,609 Da
3D Structure	ModBase 3D Structure for P01032
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Cross Reactivity	Pig
Conjugation	HRP
Product Categories/Family for anti-C5a antibody	Infection Immunity; Immune Molecule ; Autoimmunity
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-C5a antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-C5a antibody	MBS2115503 is an antibody targeting C5a. Also known as HRP-Linked Polyclonal Antibody to Complement Component 5a (C5a). Reactive in Pig. Host: Rabbit.
Other Notes	Small volumes of anti-C5a 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 C5a. It may not necessarily be applicable to this product.

NCBI GI #	116605
NCBI GeneID	414437
NCBI Accession #	P01032.1
UniProt Primary Accession #	P01032
UniProt Related Accession #	P01032
NCBI Official Full Name	Complement C5a anaphylatoxin
NCBI Official Symbol	C5
UniProt Protein Name	Complement C5a anaphylatoxin
UniProt Gene Name	C5
NCBI Protein Information	complement C5a anaphylatoxin
UniProt Comments for C5a	Derived from proteolytic degradation of complement C5, C5 anaphylatoxin is a mediator of local inflammatory process. Binding to the receptor C5AR1 induces a variety of responses including intracellular calcium release, contraction of smooth muscle, increased vascular permeability, and histamine release from mast cells and basophilic leukocytes. C5a is also a potent chemokine which stimulates the locomotion of polymorphonuclear leukocytes and directs their migration toward sites of inflammation.
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