Complement Component 5a (C5A) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Complement Component 5a (C5a), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Complement Component 5a (C5a)
Product Gene Name	anti-C5a antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: C5a (MBS2007023) PE Conjugated Antibody: C5a (MBS2041753)
Matching Pairs	PE Conjugated Antibody: C5a (MBS2041753) Immunogen: C5a (MBS2011918)
Molecular Weight	39,336 Da
OMIM	M62505 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	C5a (Asn679~Arg755)
Conjugation	PE
Cross Reactivity	Mouse
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2007023
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-C5a antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-C5a antibody	MBS2041753 is an antibody targeting C5a. Also known as PE-Linked Polyclonal Antibody to Complement Component 5a (C5a). Reactive in Mouse, Rat. 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 #	29169287
NCBI GeneID	728
NCBI Accession #	AAO65969.1
UniProt Related Accession #	P21730
NCBI Official Full Name	complement component 5a receptor 1

NCBI Official Synonym Full Names	complement C5a receptor 1
NCBI Official Symbol	C5AR1
NCBI Official Synonym Symbols	C5A; C5AR; C5R1; CD88
UniProt Protein Name	C5a anaphylatoxin chemotactic receptor 1
UniProt Synonym Protein Names	C5a anaphylatoxin chemotactic receptor; C5a-R; C5aR; CD_antigen: CD88
UniProt Gene Name	C5AR1
UniProt Synonym Gene Names	C5AR; C5R1; C5a-R; C5aR
NCBI Protein Information	C5a anaphylatoxin chemotactic receptor 1
UniProt Comments for C5a	C5aR: a family 1 G-protein coupled receptor that stimulates the GTPase activity of Gi2. Receptor for the chemotactic and inflammatory complement factor C5a. Stimulates chemotaxis, granule enzyme release and superoxide anion production. Phosphorylated in response to C5a or after stimulation of cells with phorbol esters. Expressed on monocytes, granulocytes, dendritic cells, astrocytes and microglia. Protein type: GPCR, family 1; Membrane protein, integral; Membrane protein, multi-pass; Receptor, GPCR Chromosomal Location of Human Ortholog: 19q13.32 Cellular Component: apical part of cell; basolateral plasma membrane; integral to plasma membrane; plasma membrane Molecular Function: complement component C5a receptor activity; G-protein coupled receptor activity Biological Process: activation of MAPK activity; cellular defense response; chemotaxis; G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); immune response; inflammatory response; leukocyte migration; mRNA transcription from RNA polymerase II promoter; phospholipase C activation; positive regulation of epithelial cell proliferation; regulation of complement activation; sensory perception of chemical stimulus; signal transduction
Research Articles on C5a	**1.** Relation of C5aR expression to tumor development and poor prognosis of the breast cancer patients
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