Complement Fragment 3a (C3A) ELISA Kit for Fish

PRODUCT OVERVIEW

Product Name	Complement Fragment 3A (C3A), ELISA Kit
Full Product Name	Fish Complement Fragment 3A ELISA Kit
Product Gene Name	C3A elisa kit
Species Reactivity	Fish
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	52,896 Da
3D Structure	ModBase 3D Structure for O55197
Related Product Information for C3A elisa kit	MBS027978 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Complement Fragment 3A (C3A) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing C3A. The ELISA analytical biochemical technique of the MBS027978 kit is based on C3A antibody-C3A antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C3A antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C3A. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of C3A elisa kit 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 C3A. It may not necessarily be applicable to this product.

NCBI GI #	14091740
NCBI GeneID	84007
NCBI Accession #	NP_114449.1
UniProt Primary Accession #	O55197
UniProt Related Accession #	O55197
GenBank Nucleotide #	NM_032060.1
NCBI Official Full Name	C3a anaphylatoxin chemotactic receptor
NCBI Official Synonym Full Names	complement component 3a receptor 1
NCBI Official Symbol	C3ar1
UniProt Protein Name	C3a anaphylatoxin chemotactic receptor
UniProt Gene Name	C3ar1
UniProt Synonym Gene Names	C3AR; C3a-R
UniProt Entry Name	C3AR_RAT
NCBI Protein Information	C3a anaphylatoxin chemotactic receptor; C3AR; C3a-R

NCBI Summary for C3A	receptor for anaphylatoxin complement component C3a, [RGD, Feb 2006]
UniProt Comments for C3A	C3aR: Receptor for the chemotactic and inflammatory peptide anaphylatoxin C3a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; GPCR, family 1; Membrane protein, integral; Membrane protein, multi-pass Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; C3a anaphylatoxin receptor activity; complement component C3a binding Biological Process: tolerance induction to nonself antigen; G-protein coupled receptor protein signaling pathway; positive regulation of angiogenesis; elevation of cytosolic calcium ion concentration; complement receptor mediated signaling pathway; positive regulation of smooth muscle cell proliferation; regulation of blood pressure; chemotaxis; positive regulation of cell migration
Research Articles on C3A	**1.** The binding of TLQP-21 to C3AR1 not only has effects on signaling but also modulates cellular functions
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