

Datasheet for ABIN2664084

anti-C3a antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	C3a
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C3a antibody is un-conjugated
Application:	Immunoprecipitation (IP), ELISA, Flow Cytometry (FACS)

Product Details

Clone:	K13-16
Isotype:	IgG1 kappa
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	C3a
Alternative Name:	C3a/C3a/C3 (C3a Products)
Background:	C3, complement component 3, is a 195 kD glycoprotein heterodimer that is linked by disulfide bonds. It is the fourth complement component to react in the classical pathway and it is also a reactant in the alternative complement pathway. C3 convertase splits C3 into C3b and C3a. C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. Macrophages and neutrophils have receptors for C3b. C3a is released into the

Target Details

surrounding fluids. It can bind to receptors on basophils and mast cells triggering them to release their vasoactive contents (e.g., histamine). Because of the role of these materials in anaphylaxis, C3a is called an anaphylatoxin. In blood, the C3a fragment is rapidly desarginated by serum carboxypeptidase N enzyme to generate C3a desArg. Both C3a and C3a desArg are not glycosylated.

Pathways: [Complement System](#)

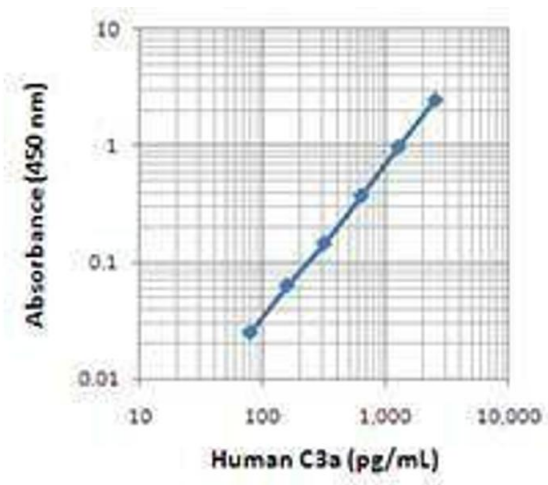
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.

Images



ELISA

Image 1.