

Datasheet for ABIN2688860

**anti-C3a antibody****2** Publications[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	C3a
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This C3a antibody is un-conjugated
Application:	ELISA

## Product Details

Brand:	BD Pharmingen™
Immunogen:	ELISA) Hugli T.E. Structure and function of the anaphylatoxins.
Clone:	I87
Isotype:	IgG1 kappa
Characteristics:	<p>The purified I87-1162 antibody reacts with the mouse C3a protein. The I87-1162 antibody is specific for a neoepitope exposed in mouse C3a/C3adesArg and does not cross-react with mouse C3. This capacity makes antibody I87-1162 a preferential capture antibody for direct detection of mouse C3a from plasma or serum samples in an ELISA sandwich assay.</p> <p>Anaphylatoxin C3a is a bioactive cleavage product released from plasma component C3 during complement activation and is involved in mediation of a variety of cellular immune responses, as well as being a potent pro-inflammatory agent. The release of this cleavage product is a reliable indicator of in vivo or in vitro complement activation. Representative Mouse C3a</p>

## Product Details

standard curve. The curve was generated by a sandwich ELISA using the purified I87-1162 antibody (Cat. No. 558250) as capture antibody, doubling dilutions of purified mouse C3a protein (Cat. No. 558618) as standard, and biotinylated I87-419 antibody (Cat. No. 558251) as detection antibody. The standard curve is displayed as the concentration of purified mouse C3a in ng/mL versus the microwell absorbance.

BD Pharmingen™ Purified Rat Anti-Mouse C3a - Purified - Clone I87-1162 - Isotype Rat IgG1, κ - Reactivity Ms - 0.1 mg

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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## Target Details

Target:	C3a
Alternative Name:	C3a ( <a href="#">C3a Products</a> )
Pathways:	<a href="#">Complement System</a>

## 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:	Aqueous buffered solution 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:	Store undiluted at 4°C.

## Publications

Product cited in:	Abrams: "Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-
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cytokine antibodies." in: **Current protocols in immunology / edited by John E. Coligan ... [et al.]**, Vol. Chapter 6, pp. Unit 6.20, (2008) ([PubMed](#)).

Slade, Langhorne: "Production of interferon-gamma during infection of mice with Plasmodium chabaudi chabaudi." in: **Immunobiology**, Vol. 179, Issue 4-5, pp. 353-65, (1990) ([PubMed](#)).

Prat, Gribaudo, Comoglio, Cavallo, Landolfo: "Monoclonal antibodies against murine gamma interferon." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 81, Issue 14, pp. 4515-9, (1984) ([PubMed](#)).