

Datasheet for ABIN2688861
anti-C3a antibody (Biotin)

2 Publications

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Overview

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

Product Details

Brand:	BD Pharmingen™
Clone:	I87
Isotype:	IgG1 kappa
Characteristics:	<p>The I87-419 antibody reacts with the mouse C3a protein. 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. This antibody is routinely tested by ELISA Detection. Other applications were tested by BD Biosciences Pharmingen during antibody development only or reported in the literature. Representative Mouse C3a standard curve. The curve was generated by a sandwich ELISA using the purified I87-1162 antibody as capture antibody, doubling dilutions of purified mouse C3a protein as standard, and biotinylated I87-419 antibody as detection antibody. The standard curve is displayed as the concentration of purified mouse C3a</p>

Product Details

in ng/mL versus the microwell absorbance.

BD Pharmingen™ Biotin Rat Anti-Mouse C3a - Biotin - Clone I87-419 - Isotype Rat IgG1, κ -
Reactivity Ms - 0.1 mg

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

Target Details

Target: C3a

Alternative Name: C3a ([C3a Products](#))

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: 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.

Handling Advice: The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.

Storage: 4 °C

Storage Comment: Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Hancock: "Chemokines and the pathogenesis of T cell-dependent immune responses." in: **The American journal of pathology**, Vol. 148, Issue 3, pp. 681-4, (1997) ([PubMed](#)).

Rottman, Ganley, Williams, Wu, Mackay, Ringler: "Cellular localization of the chemokine receptor CCR5. Correlation to cellular targets of HIV-1 infection." in: **The American journal of pathology**, Vol. 151, Issue 5, pp. 1341-51, (1997) ([PubMed](#)).

Wu, Paxton, Kassam, Ruffing, Rottman, Sullivan, Choe, Sodroski, Newman, Koup, Mackay: "CCR5 levels and expression pattern correlate with infectability by macrophage-tropic HIV-1, in vitro." in: **The Journal of experimental medicine**, Vol. 185, Issue 9, pp. 1681-91, (1997) ([PubMed](#)).

Choe, Farzan, Sun, Sullivan, Rollins, Ponath, Wu, Mackay, LaRosa, Newman, Gerard, Gerard, Sodroski: "The beta-chemokine receptors CCR3 and CCR5 facilitate infection by primary HIV-1 isolates." in: **Cell**, Vol. 85, Issue 7, pp. 1135-48, (1996) ([PubMed](#)).

Deng, Liu, Ellmeier, Choe, Unutmaz, Burkhart, Di Marzio, Marmon, Sutton, Hill, Davis, Peiper, Schall, Littman, Landau: "Identification of a major co-receptor for primary isolates of HIV-1." in: **Nature**, Vol. 381, Issue 6584, pp. 661-6, (1996) ([PubMed](#)).