

Mouse anti-Human, Mouse C3/C3b/iC3b Monoclonal Antibody | anti-C3/C3b/iC3b antibody

Anti-Human/Mouse C3/C3b/iC3b (PE)(Clone: 10C7)(mouse IgG1)

CATALOG # AAA74291	HOST Mouse	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Flow Cytometry, Functional Assay
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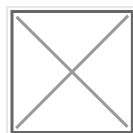
PRODUCT SYNONYMS

C3/C3b/iC3b; Monoclonal Antibody; Anti-Human/Mouse C3/C3b/iC3b (PE)(Clone: 10C7)(mouse IgG1); anti-C3/C3b/iC3b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	10C7
Specificity	Human and Mouse Complement Component C3/C3b/iC3b
Form/Format	PE conjugated IgG buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5mg/ml.
Concentration	0.1 mg/ml (varies by lot)
Applicable Applications for anti-C3/C3b/iC3b antibody	ELISA, FCM/FACS (Flow Cytometry)
Immunogen	C57BL/6 thymocytes incubated with a rat IgG2b anti-murine Thy-1 (RmT1) and C57BL/6 serum (as a source for C3)
Donor	Mouse spleen cells
Fusion Partner	Mouse myeloma cell line P3X63 Ag. 8.653
Preparation and Storage	Store at 4°C. DO NOT FREEZE

IMAGES



FCM/FACS (Flow Cytometry)

Tissue Distribution by Flow Cytometry Analysis: Mouse Strain: C57BL/6 Cell Concentration: 1x10⁶ cells per test Antibody Concentration Used: 1.0 ug/10⁶ cells Cell Source: Mouse thymocytes incubated with Rabbit Anti-Mouse T cells, then incubated with fresh human serum and stained as indicated above. Percentage of cells stained above control: 98% C57BL/6 mouse thymocytes incubated with rabbit anti-mouse T cells and then incubated with fresh human serum were stained with anti-C3/C3b/iC3b (clone: 10C7) (filled histogram) or mouse IgG1 isotype control (open histogram). Appropriate control samples should always be included in any labeling studies. For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

ADDITIONAL INFORMATION

Related Product Information for anti-C3/C3b/iC3b antibody	<p>Anti-Human/Mouse Complement Component C3 monoclonal antibody (Clone: 10C7) reacts with human and mouse C3 as well as the breakdown products C3b and iC3b. C3 is the most abundant complement protein in serum. C3 and its cleavage products, C3a and C3b, play a central role in the complement activation cascade. C3b forms an integral part of the C3 and C5 convertases as it promotes complement activation and the subsequent formation of the membrane attack complex. C3a possesses anaphlatoxic as well as various immunoregulatory properties.</p> <p>Also, C3 has been implicated in developmental and non-inflammatory process such as hematopoiesis, skeletal and vascular development and reproduction.</p>
Product Categories/Family for anti-C3/C3b/iC3b antibody	Miscellaneous Antibodies
References	<p>1. Whipple EC, Ditto AH, Shanahan RS, et al. (2007) Low doses of antigen coupled to anti-CR2 mAbs induce rapid and enduring IgG immune responses in mice and in cynomolgus monkeys. Mol Immunol.44(4):377-88.</p>

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/c3-c3b-ic3b-antibody-clone-10c7-flow-cytometry-elisa/74291>