

Rat anti-Human C3c Monoclonal Antibody | anti-C3c antibody

C3c, Human, mAb 4

CATALOG # AAA77795	HOST Rat	REACTIVITY Human	APPLICATIONS Immunoprecipitation
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PRODUCT SYNONYMS

C3c; Monoclonal Antibody; Human; mAb 4; anti-C3c antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Human
Clonality	Monoclonal
Isotype	Rat IgG2a
Form/Format	1 ml (100 ug/ml) 0.2 um filtered antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide. For unit size 0.5 mg or larger: PBS only (concentration< 0.5mg/ml)
Applicable Applications for anti-C3c antibody	IP (Immunoprecipitation)
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for one year.

ADDITIONAL INFORMATION

Related Product Information for anti-C3c antibody	Product Description: The monoclonal antibody 4 recognizes the cleaved human C3 fragment C3c. The complement system is an important factor in innate immunity. The third complement component, C3, is central to the classical, alternative and lectin pathways of complement activation. Activation products of the complement cascade contain neo-epitopes that are not present in the individual native components. The synthesis of C3 is tissue-specific and is modulated in response to a variety of stimulatory agents. C3 is the most abundant protein of the complement system with serum protein levels of about 1.3 mg/ml. An inherited deficiency of C3 predisposes the person to frequent bacterial infections. C3 fragments are deposited in tissues at sites of antibody-mediated immunopathology. In ulcerative colitis and idiopathic chronic inflammatory bowel disease, the deposition of C3 in the diseased mucosa has been reported. Proteolysis by C3-convertases results in the cleavage of C3 into C3a and C3b. C3b becomes attached to immune complexes and is further cleaved into iC3b and C3f. iC3b is further processed into C3c and C3dg. The monoclonal antibody 4 recognizes a conformational epitope in C3c, C3b and iC3b.
References	1. Lachmann, P et al; Three monoclonal antibodies to human C3. Immunology 1980, 41: 503 2. Lachmann, P et al; Breakdown of C3 after complement activation. Identification of a new fragment C3g, using monoclonal antibodies. J Exp Med 1982, 156: 205 3. Lachmann, P et al; Use of monoclonal anti-C3 antibodies to characterise the fragments of C3 that are found on erythrocytes. Vox Sang 1983, 45: 367

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.