



# Anti-C3 monoclonal antibody, clone H11 (CABT-47909MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Mouse anti Human C3b antibody, clone H11 recognizes human C3b, part of the complement system. C3 is cleaved by C3-convertase creating C3a and C3b, which binds to the surface of pathogens leading to their destruction by phagocytic cells. Mouse anti Human C3b antibody, clone H11 recognizes a determinant present on native (circulating) C3 and on the fragments C3b and C3c. The antibody is directed to a determinant present on the betachain of the C3 molecule (Western blot). It does not react with the anaphylatoxin C3a or the fragment C3d and does not inhibit the haemolytic function of C3.

<b>Specificity</b>	C3
<b>Immunogen</b>	Human C3b.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	H11
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; WB
<b>Format</b>	Purified IgG - lyophilised
<b>Size</b>	50 µg
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">C3 complement component 3 [ Homo sapiens (human) ]</a>
Official Symbol	C3
Synonyms	C3; complement component 3; ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p; complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; epididymi
Entrez Gene ID	<a href="#">718</a>
Protein Refseq	<a href="#">NP_000055</a>
UniProt ID	P01024
Chromosome Location	19p13.3-p13.2
Pathway	Activation of C3 and C5; Adaptive Immune System; Alternative complement activation; Chagas disease (American trypanosomiasis); Class A/1 (Rhodopsin-like receptors); Complement Activation, Classical Pathway; Complement and Coagulation Cascades; Complement and coagulation cascades;
Function	C5L2 anaphylatoxin chemotactic receptor binding; endopeptidase inhibitor activity; protein binding; receptor binding;