

For Research Use Only

CoraLite®594-conjugated C3/C3b/C3c Monoclonal antibody



Catalog Number: **CL594-66157**

Basic Information

Catalog Number: CL594-66157	GenBank Accession Number: BC150179	Purification Method: Protein G purification
Size: 100UL, Concentration: 2000 µg/ml by 718 Bradford method using BSA as the standard;	GeneID (NCBI): 718	CloneNo.: 2A6B3
Source: Mouse	Full Name: complement component 3	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 1663 aa, 187 kDa	Excitation/Emission maxima wavelengths: 593 nm/614 nm
Immunogen Catalog Number: AG15955	Observed MW: 115 kDa	

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : HepG2 cells,
Species Specificity: human	

Background Information

The complement system is an important effector which bridges the innate and adaptive immune systems (PMID: 20010915). The third component of complement, C3, plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways (PMID: 11414361). Human C3, composed of α and β chains (115 and 75 kDa, respectively), is cleaved into C3a and C3b by C3 convertase. C3b is further cleaved into iC3b, C3c, C3dg and C3f. This antibody raised against 1314-1663 aa of human C3 protein recognize C3 alpha chain, C3b alpha' chain, and C3c alpha' chain fragment 2.

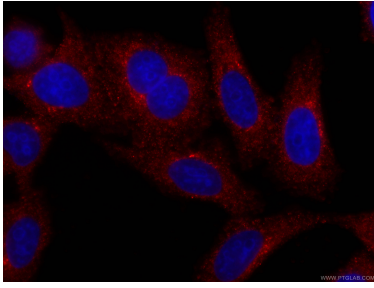
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-66157 (C3/C3b/C3c antibody) at dilution of 1:100.