For Research Use Only

CoraLite® Plus 488-conjugated Ficolin-3 Polyclonal antibody

Catalog Number:CL488-11867

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-11867

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2449

GenBank Accession Number:
BC020731

GeneID (NCBI):
8547

UNIPROT ID:
O75636

Full Name:
ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)

Calculated MW:
33 kDa

Observed MW:
32 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

Ficolins are a group of oligomeric lectins with subunits consisting of both collagen-like and fibrinogen-like domains (PMID: 20375620). They are innate pattern recognition receptors and play integral roles within the innate immune response. In humans, there are three ficolins termed M-, L-, and H-ficolin (also referred to as ficolin-1, -2, and -3) whereas rodents only possess ficolin-A and -B, which are the orthologues of human L- and M-ficolin, respectively (PMID: 30868077). Ficolin-3 (Hakata antigen or H-ficolin) was initially identified based on its reactivity with sera from patients with systemic lupus erythematosus (PMID: 1859827). It has been shown to have a calcium-independent lectin activity. Ficolin-3 is associated with MASPs and sMAP, and which activates the lectin pathway (PMID: 11907111). Ficolin-3 shows affinity for GalNAc, GlcNAc, D-fucose and galactose (PMID: 30868077).

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)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 Ficolin-3 antibody (CL488-11867) at dilution of 1:200, CL594-Phalloidin (red).