

For Research Use Only

C5a Recombinant monoclonal antibody

Catalog Number: 86463-4-RR



Basic Information

Catalog Number:

86463-4-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4205

GenBank Accession Number:

NM_001735.3

GeneID (NCBI):

727

UNIPROT ID:

P01031

Full Name:

complement component 5

Calculated MW:

188 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

251190F4

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human plasma,

Background Information

The complement system is an important effector that bridges the innate and adaptive immune systems. The fifth component of complement, C5, is part of the complement cascade and plays an important role in inflammation and cell killing. It consists of disulfide-linked alpha and beta polypeptide chains but can be cleaved into two active peptides (C5a and C5b) by C5 convertases. Mutations and defects in C5 are associated with severe recurrent infections. This antibody specifically recognizes the C5 alpha chain.(PMID: 20010915; PMID: 8011297; PMID: 6554279)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

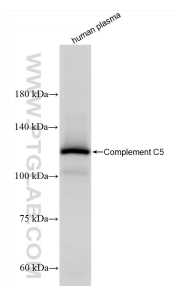
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

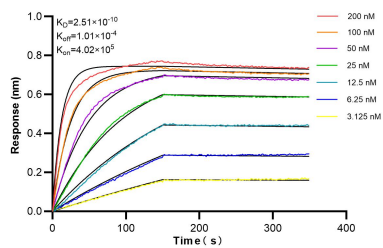
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



human plasma was subjected to SDS PAGE followed by western blot with 86463-4-RR (Complement C5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86463-4-RR against Human C5a were performed. The affinity constant is 0.251 nM.