For Research Use Only

C5a Recombinant monoclonal antibody, PBS Only

Catalog Number:86463-4-PBS

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Basic Information

Catalog Number:
86463-4-PBS

Size:
100ug , Concentration: 1 mg/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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 -80°C.
Storage Buffer:
PBS only, pH7.3

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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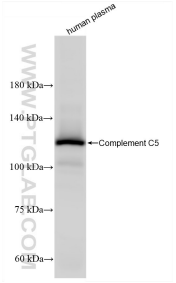
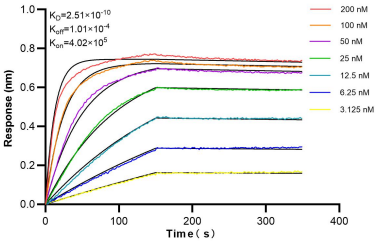
Selected Validation Data



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. This data was developed using the same antibody clone with 86463-4-PBS in a different storage buffer formulation.



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