For Research Use Only

CoraLite® Plus 488 Anti-Human CD55 Rabbit Recombinant Antibody

Catalog Number:CL488-98493-3

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-98493-3

Size:
100tests , 5 ul/test

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG4246

GenBank Accession Number:
BC001288

GeneID (NCBI):
1604

UNIPROT ID:
P08174

Full Name:
CD55 molecule, decay accelerating factor for complement (Cromer blood group)

Calculated MW:
41 kDa

Purification Method:
Protein A purification

CloneNo.:
250682C11

Recommended Dilutions:
FC: 5 ul per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : FC receptor blocked human peripheral blood leukocytes,

Background Information

CD55, also known as DAF, is a glycosylphosphatidylinositol (GPI)-anchored surface glycoprotein that is widely distributed on blood, stroma, epithelial, and endothelial cells (PMID: 7517044; 29503741). It can also exist as a soluble form in plasma, urine, saliva, tears, and synovial fluids (PMID: 29503741). CD55 is a complement regulatory protein (PMID: 2469439; 7517044). It inhibits formation of the C3 convertases through binding to C3b and C4b. It also binds the alternate pathway convertase C3bBb, the classical pathway convertase and C4b2a to accelerate their decay (PMID: 17289551). CD55 also serves as a receptor for coxsackieviruses B1, B3, and B5 and several enteroviruses (PMID: 7538177; 7517044).

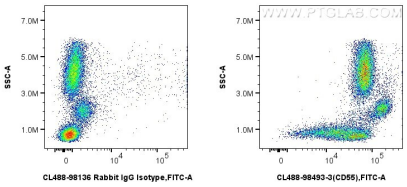
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

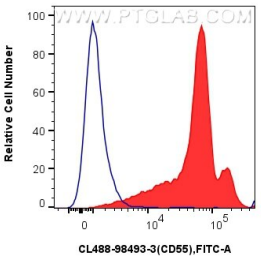
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10^6 human peripheral blood leukocytes were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD55 Rabbit RecAb (CL488-98493-3, Clone:250682C11), or CoraLite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10^6 human peripheral blood leukocytes were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD55 Rabbit RecAb (CL488-98493-3, Clone:250682C11) (red), or CoraLite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.