For Research Use Only

Anti-Human CD55 Rabbit Recombinant Antibody

Catalog Number:98493-3-RR

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
98493-3-RR

Concentration:
100ug, 1000 μg/ml

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: 0.25 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human blood cells,

Background Information

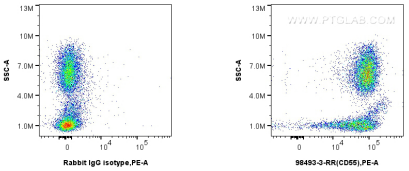
CD55, also known as DAF, is a glycosylphosphatidylinositol (GPI)-anchored surface glycoprotein that is widely distributed on blood, stroma, epithelial, and endothelial cells (PMID: 7517044; 29503741). It can also exist as a soluble form in plasma, urine, saliva, tears, and synovial fluids (PMID: 29503741). 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

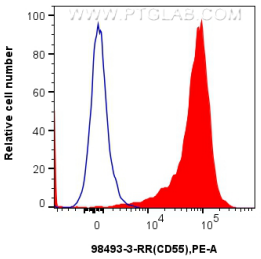
Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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 blood cells were surface stained with 0.25 ug Anti-Human CD55 Rabbit RecAb (98493-3-RR, Clone: 250682C11) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-conjugated Goat Anti-Rabbit IgG. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10^6 human blood cells were surface stained with 0.25 ug Anti-Human CD55 Rabbit RecAb (98493-3-RR, Clone:250682C11) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-conjugated Goat Anti-Rabbit IgG. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.