For Research Use Only

Anti-Human CD55 (JS11)

Catalog Number:65271-1-Ig

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Basic Information

Catalog Number:
65271-1-Ig

Size:
100ug , 0.5 mg/ml

Source:
Mouse

Isotype:
IgG1

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:
Affinity purification

CloneNo.:
JS11

Recommended Dilutions:
FC: 0.2 ug per 10^6 cells in 100 ul suspension

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

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

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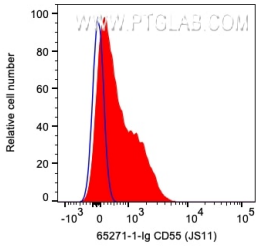
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 human PBMCs were surface stained with 0.2 ug Anti-Human CD55 (65271-1-Ig, Clone:JS11K) and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were not fixed. Lymphocytes were gated.