For Research Use Only

Atlantic Blue™ Anti-Human CD45 (HI30)

Catalog Number:AB-65109

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

Basic Information

Catalog Number:
AB-65109

Concentration:
100tests, 5 ul/test

Source:
Mouse

Isotype:
IgG1, kappa

GenBank Accession Number:
BC014239

GeneID (NCBI):
5788

ENSEMBL Gene ID:
ENSG00000081237

UNIPROT ID:
P08575

Full Name:
protein tyrosine phosphatase, receptor type, C

Purification Method:
Affinity purification

CloneNo.:
HI30

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

Excitation/Emission maxima wavelengths:
404 nm / 458 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

Background Information

CD45, also known as protein tyrosine phosphatase, receptor type C, is a type I transmembrane protein expressed on the surface of all haematopoietic cells with the exception of erythrocytes and platelets (PMID: 3489673; 28615666). CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling (PMID: 9429890; 16378097).

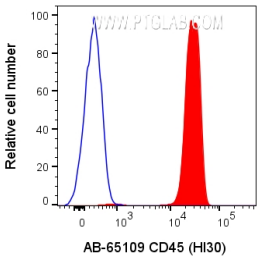
Storage

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

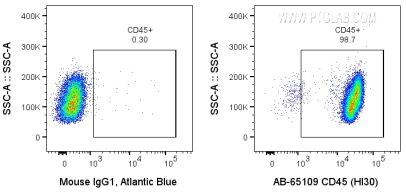
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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 PBMCs were surface stained with 5 ul Atlantic Blue™ Anti-Human CD45 (AB-65109, Clone:HI30), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10^6 human PBMCs were surface stained with 5 ul Atlantic Blue™ Anti-Human CD45 (AB-65109, Clone:HI30), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.