

For Research Use Only

Anti-Rat CD45 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98651-1-PBS



Basic Information

Catalog Number: 98651-1-PBS	GenBank Accession Number: NM_138507.3	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 24699	CloneNo.: 252198H7
Source: Rabbit	UNIPROT ID: P04157-1	
Isotype: IgG	Full Name: protein tyrosine phosphatase, receptor type, C	
Immunogen Catalog Number: EG4666	Calculated MW: 143 kDa	

Applications

Tested Applications:
FC

Species Specificity:
rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

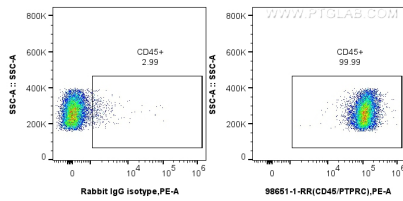
T: 4006900926

E: Proteintech-CN@ptglab.com

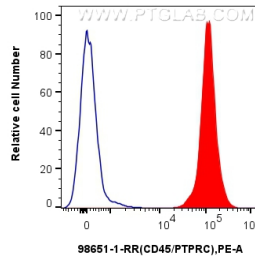
W: ptgcn.com

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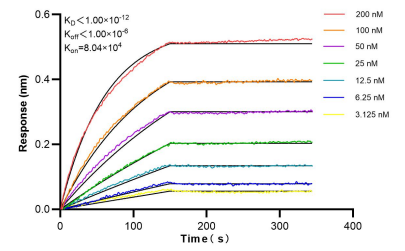
Selected Validation Data



1x10⁶ rat splenocytes were surface stained with 0.25 ug Anti-Rat CD45/PTPRC Rabbit RecAb (98651-1-RR, Clone:252198H7), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98651-1-PBS in a different storage buffer formulation.



1x10⁶ rat splenocytes were surface stained with 0.25 ug Anti-Rat CD45 Rabbit RecAb (98651-1-RR, Clone:252198H7) (red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98651-1-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 98651-1-RR against Rat CD45 were performed. The affinity constant is below 1 pM.