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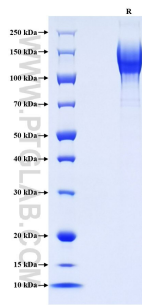
Recombinant Human CD45 protein (rFc Tag)



Catalog Number: Eg2454

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human CD45 protein Gln26-Lys577 (Accession# P08575-3) with a rabbit IgG Fc tag at the C-terminus. GeneID: 5788 Accession: P08575-3 Predicted Molecular Mass: 87.1 kDa SDS-PAGE: 110-200 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	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. CD45 is a pan-haematopoietic cell marker and has been shown to be essential for T- and B-cell activation and signalling.		
References	1. F W Shen, et al. (1986) Immunogenetics. 24(3):146-9. 2. J G Altin, et al. (1997) Review Immunol Cell Biol. 75(5):430-45. 3. Nicholas D Huntington, et al. (2006) Nat Immunol. 7(2):190-8. 4. Salema Jafri, et al. (2017) Sci Rep. 7(1):3495.		
Synonyms	CD45, B220, EC:3.1.3.48, GP180, L CA		
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	
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Selected Validation Data



Purity of Recombinant Human CD45 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.