

For Research Use Only

CD6 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84508-1-PBS



Basic Information

Catalog Number: 84508-1-PBS	GenBank Accession Number: BC033755	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 923	CloneNo.: 241965G6
Source: Rabbit	UNIPROT ID: P30203	
Isotype: IgG	Full Name: CD6 molecule	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

84508-1-PBS targets CD6 as part of a matched antibody pair:

MP01358-2: 84508-1-PBS capture and 84508-2-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

CD6 is a type I transmembrane glycoprotein of 105-130 kDa that belongs to the scavenger receptor cysteine-rich superfamily (PMID: 21880988). It is composed of an extracellular region, which consists of three tandem SRCR domains, a transmembrane region, and a cytoplasmic tail devoid of intrinsic catalytic activity but harbouring several phosphorylatable residues suitable for intracellular signal transduction (PMID: 38139340; 23711376). CD6 is expressed by T cells, medullary thymocytes, a subset of B cells and NK cells, and in some cells of the brain (PMID: 1919444; 21178331). CD6 plays a role in lymphocyte activation, proliferation, and survival processes via interaction with its endogenous ligands.

Storage

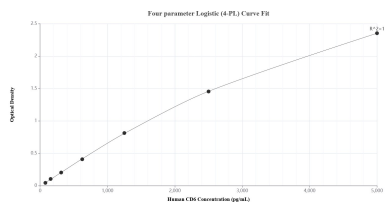
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

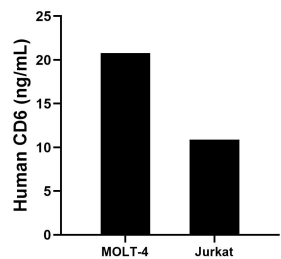
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

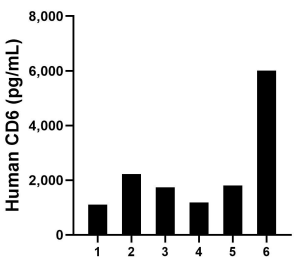
Selected Validation Data



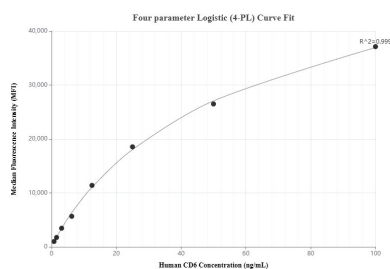
Sandwich ELISA standard curve of MP01358-2, Human CD6 Recombinant Matched Antibody Pair - PBS only. 84508-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2079. 84508-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean CD6 concentration was determined to be 20.8 ng/mL in MOLT-4 cell extract based on a 1.2 mg/mL extract load and 10.9 ng/mL in Jurkat cell extract based on a 4.2 mg/mL extract load.



Serum of six individual healthy human donors was measured. The CD6 concentration of detected samples was determined to be 2,345.6 pg/mL with a range of 1,106.3-6,008.2 pg/mL.



Cytometric bead array standard curve of MP01358-2, CD6 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84508-1-PBS. Detection antibody: 84508-2-PBS. Standard: Eg2079. Range: 0.781-100 ng/mL.