

For Research Use Only

CD74 Recombinant antibody, PBS Only (Detector)

Catalog Number: 86023-4-PBS



Basic Information

Catalog Number: 86023-4-PBS	GenBank Accession Number: NM_001025159.3	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 972	CloneNo.: 250520F6
Source: Rabbit	UNIPROT ID: P04233-2	
Isotype: IgG	Full Name: CD74 molecule, major histocompatibility complex, class II invariant chain	
Immunogen Catalog Number: EG1945	Calculated MW: 26kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

86023-4-PBS targets CD74 as part of a matched antibody pair:

MP02221-2: 86023-1-PBS capture and 86023-4-PBS detection (validated in 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.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

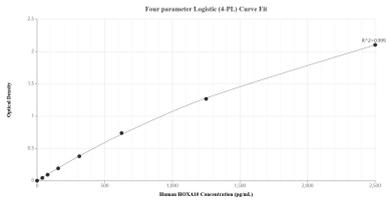
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

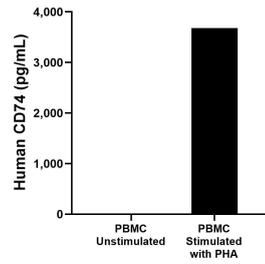
E: proteintech@ptglab.com
W: ptglab.com

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

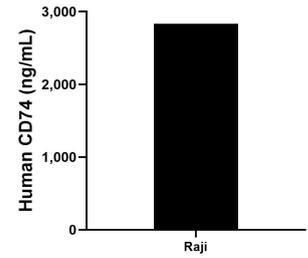
Selected Validation Data



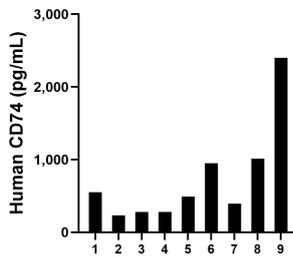
Sandwich ELISA standard curve of MP02221-2, Human CD74 Recombinant Matched Antibody Pair - PBS only. 86023-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1945. 86023-4-PBS was HRP conjugated as the detection antibody. Range: 125-8000 pg/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 3 days. The mean CD74 concentration was undetectable in unstimulated PBMC supernatant, 3,681.7 pg/mL in PHA stimulated PBMC supernatant.



The mean CD74 concentration was determined to be 2,833.0 ng/mL in Raji cell extract based on a 1.8 mg/mL extract load.



Serum of nine individual healthy human donors was measured. The CD74 concentration of detected samples was determined to be 732.3 pg/mL with a range of 232.3-2,400.9 pg/mL