

For Research Use Only

JAK1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88294-3-PBS



Basic Information

Catalog Number: 88294-3-PBS	GenBank Accession Number: BC132729	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3716	CloneNo.: 260802G5
Source: Rabbit	UNIPROT ID: P23458	
Isotype: IgG	Full Name: Janus kinase 1 (a protein tyrosine kinase)	
Immunogen Catalog Number: AG25579	Calculated MW: 1154 aa, 133 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

88294-3-PBS targets JAK1 as part of a matched antibody pair:

MP03525-1: 88294-3-PBS capture and 88294-2-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.

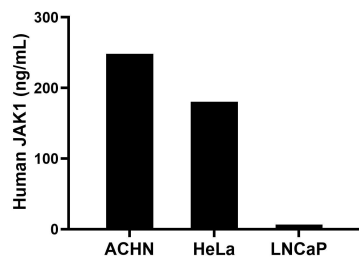
Storage

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

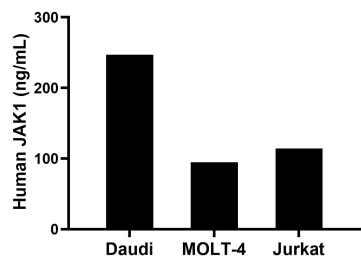
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

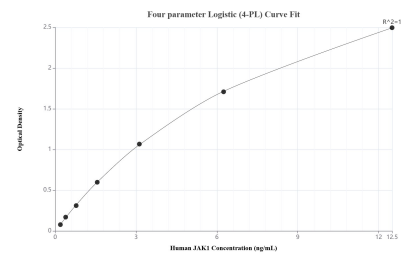
Selected Validation Data



The mean JAK1 concentration was determined to be 248.19 ng/mL in ACHN cell extract based on a 1.50 mg/mL extract load, 180.36 ng/mL in HeLa cell extract based on a 1.20 mg/mL extract load and 6.45 ng/mL in LNCaP cell extract based on a 1.20 mg/mL extract load.



The mean JAK1 concentration was determined to be 247.18 ng/mL in Daudi cell extract based on a 1.20 mg/mL extract load, 94.81 ng/mL in MOLT-4 cell extract based on a 1.20 mg/mL extract load and 114.53 ng/mL in Jurkat cell extract based on a 1.20 mg/mL extract load.



Sandwich ELISA standard curve of MP03525-1, Human JAK1 Recombinant Matched Antibody Pair - PBS only. 88294-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag25579. 88294-2-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL.