

For Research Use Only

KLF5 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number:83205-1-PBS



Basic Information

Catalog Number: 83205-1-PBS	GenBank Accession Number: BC042131	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 688	CloneNo.: 230509C4
Source: Rabbit	UNIPROT ID: Q13887	
Isotype: IgG	Full Name: Kruppel-like factor 5 (intestinal)	
Immunogen Catalog Number: AG15267	Calculated MW: 457 aa, 51 kDa	

Applications

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

Species Specificity:
human

Product Information

83205-1-PBS targets KLF5 as part of a matched antibody pair:

MP00155-1: 83205-3-PBS capture and 83205-1-PBS detection (validated in Cytometric bead array)

MP00155-2: 83205-1-PBS capture and 83205-2-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.

Storage

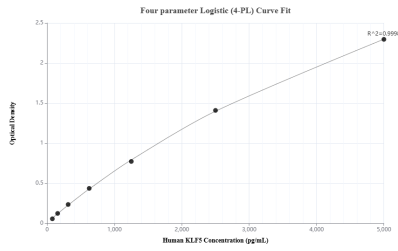
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

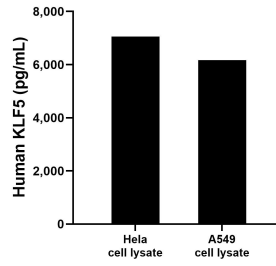
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

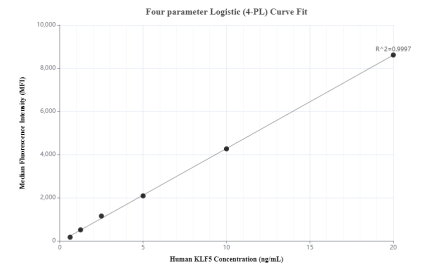
Selected Validation Data



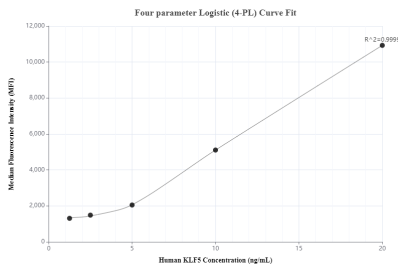
Sandwich ELISA standard curve of MP00155-2, Human KLF5 Recombinant Matched Antibody Pair - PBS only. 83205-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag15267. 83205-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



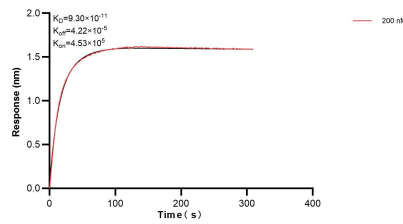
Hela and A549 cell lysates were measured. The human KLF5 concentration of detected samples was determined to be 7,055.7 pg/mL (based on a 3.2 mg/mL extract load) in Hela cell lysate and 6,173.2 pg/mL (based on a 2.2 mg/mL extract load) in A549 cell lysate.



Cytometric bead array standard curve of MP00155-1, KLF5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83205-3-PBS. Detection antibody: 83205-1-PBS. Standard: Ag15267. Range: 0.625-20 ng/mL



Cytometric bead array standard curve of MP00155-2, KLF5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83205-1-PBS. Detection antibody: 83205-2-PBS. Standard: Ag15267. Range: 1.25-20 ng/mL



Biolayer interferometry (BLI) kinetic assay of 83205-1-PBS against Human KLF5 was performed. The affinity constant is 93.0 pM.