

For Research Use Only

beta IG-H3/TGFBI Recombinant antibody, PBS Only (Capture)

Catalog Number: 80805-5-PBS



Basic Information

Catalog Number: 80805-5-PBS	GenBank Accession Number: NM_000358.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7045	CloneNo.: 243108F11
Source: Rabbit	ENSEMBL Gene ID: ENSG00000120708	
Isotype: IgG	UNIPROT ID: Q15582	
Immunogen Catalog Number: EG1233	Full Name: transforming growth factor, beta-induced, 68kDa	
	Calculated MW: 75kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

80805-5-PBS targets beta IG-H3/TGFBI as part of a matched antibody pair:

MP02279-2: 80805-5-PBS capture and 80805-2-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

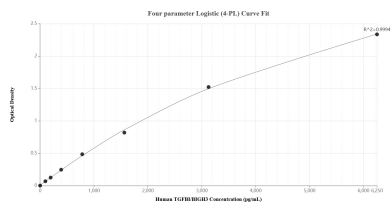
For technical support and original validation data for this product please contact:

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

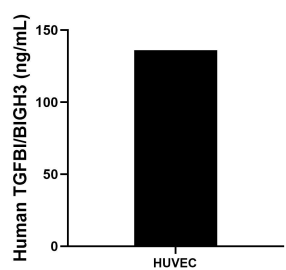
E: proteintech@ptglab.com
W: ptglab.com

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

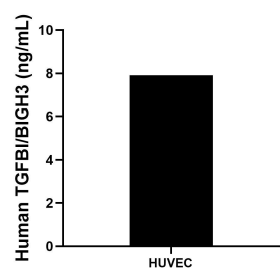
Selected Validation Data



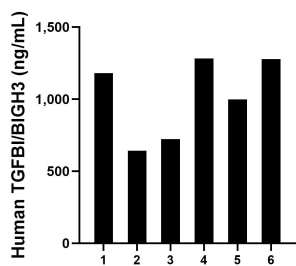
Sandwich ELISA standard curve of MP02279-2, Human TGFB1/BIGH3 Recombinant Matched Antibody Pair - PBS only. 80805-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1233. 80805-2-PBS was HRP conjugated as the detection antibody. Range: 97.7-6250 pg/mL



The mean TGFB1/BIGH3 concentration was determined to be 136.1 ng/mL in HUVEC cell extract based on a 2.2 mg/mL extract load.



HUVEC cells were cultured in DMEM supplemented with 10% fetal bovine serum, 2.5 mM L-glutamine, 100 U/mL penicillin, and 100 µg/mL streptomycin sulfate. An aliquot of the cell culture supernatant was removed, assayed for human TGFB1/BIGH3, and measured 7.9 ng/mL



Plasma of six individual healthy human donors was measured. The TGFB1/BIGH3 concentration of detected samples was determined to be 1,016.5 ng/mL with a range of 640.9-1,282.5 ng/mL