

For Research Use Only

HPGDS Recombinant antibody, PBS Only (Detector)

Catalog Number: 85446-2-PBS



Basic Information

Catalog Number: 85446-2-PBS	GenBank Accession Number: BC020734	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 27306	CloneNo.: 242980B8
Source: Rabbit	UNIPROT ID: O60760	
Isotype: IgG	Full Name: prostaglandin D2 synthase, hematopoietic	
Immunogen Catalog Number: AG18290	Calculated MW: 199 aa, 23 kDa	
	Observed MW: 26 kDa, 52 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

85446-2-PBS targets HPGDS as part of a matched antibody pair.

MP02001-2: 85446-3-PBS capture and 85446-2-PBS detection (validated in Cytometric bead array)

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

Hematopoietic PGD synthase (HPGDS), one of the PGD2 synthases, is distributed in the cytoplasm of mast cells and Th2 cells and catalyzes PGD2 production during inflammation and allergic reactions. HPGDS belongs to the gene family of α -type glutathione S-transferase (GST). Like other GSTs, it exists as a homodimer in vivo with a molecular weight of approximately 52 kDa (PMID: 38339125).

Storage

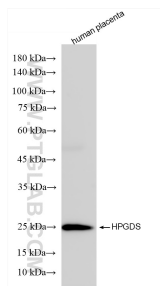
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

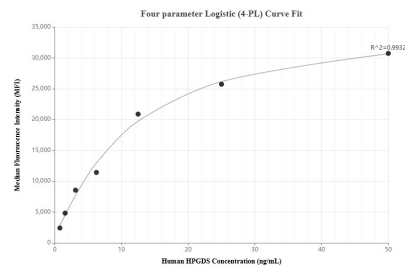
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

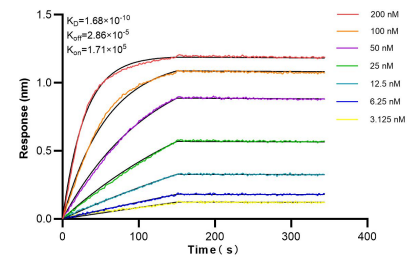
Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 85446-2-RR (HPGDS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85446-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP02001-2, HPGDS Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85446-3-PBS. Detection antibody: 85446-2-PBS. Standard: Ag18290. Range: 0.781-50 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 85446-2-RR against Human HPGDS were performed. The affinity constant is 0.168 nM.