

For Research Use Only

HPGDS Recombinant antibody, PBS Only (Detector)

Catalog Number: 85446-2-PBS



Basic Information

Catalog Number:

85446-2-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18290

GenBank Accession Number:

BC020734

GeneID (NCBI):

27306

UNIPROT ID:

O60760

Full Name:

prostaglandin D2 synthase,
hematopoietic

Calculated MW:

199 aa, 23 kDa

Observed MW:

26 kDa, 52 kDa

Purification Method:

Protein A purification

CloneNo.:

242980B8

Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

human

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 σ -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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

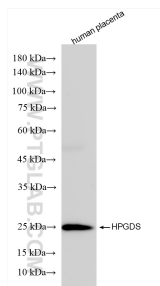
T: 4006900926

E: Proteintech-CN@ptglab.com

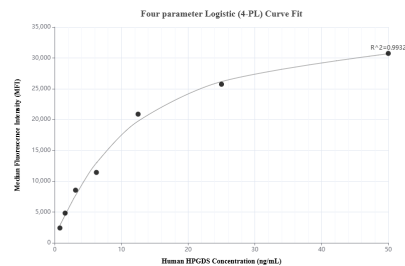
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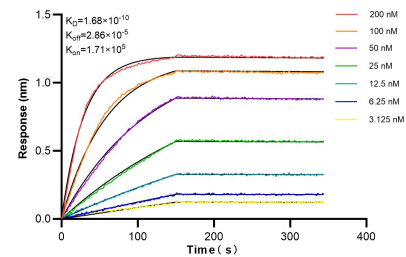
Selected Validation Data



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.