

For Research Use Only

EPHX2 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 60083-1-PBS



Basic Information

Catalog Number: 60083-1-PBS	GenBank Accession Number: BC013874	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 2053	CloneNo.: 3A7C4
Source: Mouse	UNIPROT ID: P34913	
Isotype: IgG1	Full Name: epoxide hydrolase 2, cytoplasmic	
Immunogen Catalog Number: AG4870	Calculated MW: 63 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

60083-1-PBS targets EPX2 as part of a matched antibody pair:

MP51477-1: 60083-2-PBS capture and 60083-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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

EPHX2(Epoxide hydrolase 2) acts on epoxides (alkene oxides, oxiranes) and arene oxides and plays a role in xenobiotic metabolism by degrading potentially toxic epoxides. A number of single nucleotide polymorphisms (SNPs) in human EPX2 have been linked to cardiovascular disease risk, including increased risk of coronary heart disease, hyperlipoproteinemia, and type-2 diabetes (PMID: 14732757, 16595607, 14673705, 15845398, 17460077). It was observed in many tissues with the band of 63 kDa in the western blot. It has also been reported that the N-terminal domain might promote dimerization of EPX2 (PMID:21553642).

Storage

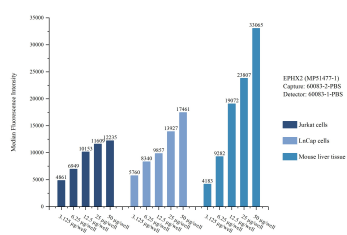
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

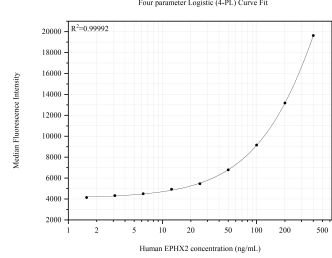
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Cytometric bead array sample test of MP51477-1, EPHX2 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60083-2-PBS. Detection antibody: 60083-1-PBS.



Cytometric bead array standard curve of MP51477-1, EPHX2 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60083-2-PBS. Detection antibody: 60083-1-PBS. Standard:Ag1283. Range: 1.563-400 ng/mL.