

For Research Use Only

CYP1A1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88462-3-PBS



Basic Information

Catalog Number: 88462-3-PBS	GenBank Accession Number: BC023019	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1543	CloneNo.: 261000E4
Source: Rabbit	UNIPROT ID: P04798	
Isotype: IgG	Full Name: cytochrome P450, family 1, subfamily A, polypeptide 1	
Immunogen Catalog Number: AG3990	Calculated MW: 512 aa, 58 kDa	

Applications

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

Species Specificity:
human

Product Information

88462-3-PBS targets CYP1A1 as part of a matched antibody pair:

MP03554-1: 88462-3-PBS capture and 88462-2-PBS detection (validated in Cytometric bead array)

MP03554-2: 88462-3-PBS capture and 88462-4-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

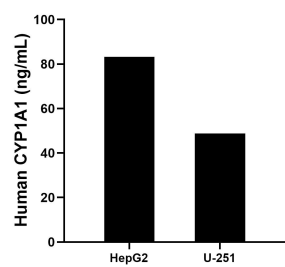
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

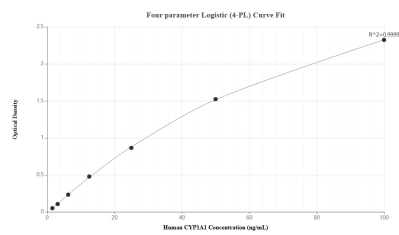
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

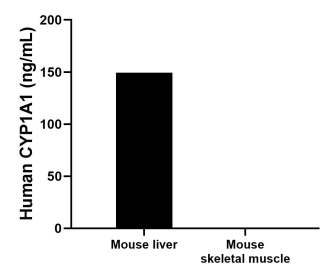
Selected Validation Data



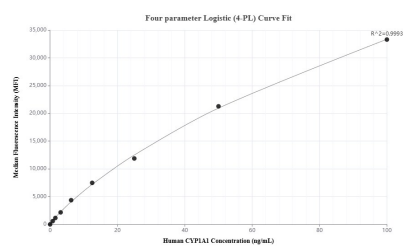
The mean CYP1A1 concentration was determined to be 83.23 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load and 48.74 ng/mL in U-251 cell extract based on a 1.2 mg/mL extract load.



Sandwich ELISA standard curve of MP03554-2, Human CYP1A1 Recombinant Matched Antibody Pair - PBS only. 88462-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3990. 88462-4-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



The mean CYP1A1 concentration was determined to be 149.2 ng/mL in mouse liver tissue extract based on a 1.0 mg/mL extract load, mouse skeletal muscle tissue extract were served as a negative control.



Cytometric bead array standard curve of MP03554-1, CYP1A1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88462-3-PBS. Detection antibody: 88462-2-PBS. Standard: Ag3990. Range: 0.781-100 ng/mL