

For Research Use Only

Catalase Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 83329-4-PBS



Basic Information

Catalog Number: 83329-4-PBS	GenBank Accession Number: BC112219	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 847	CloneNo.: 253464D10
Source: Rabbit	UNIPROT ID: P04040	
Isotype: IgG	Full Name: catalase	
Immunogen Catalog Number: AG15383	Calculated MW: 60 kDa	

Applications

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

Species Specificity:
human

Product Information

83329-4-PBS targets Catalase as part of a matched antibody pair:

MP03219-1: 83329-4-PBS capture and 83329-3-PBS detection (validated in Cytometric bead array)

MP03219-2: 83329-4-PBS capture and 83329-5-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

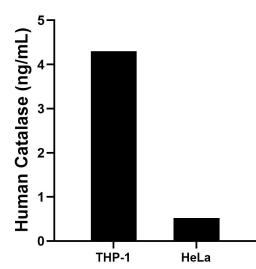
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

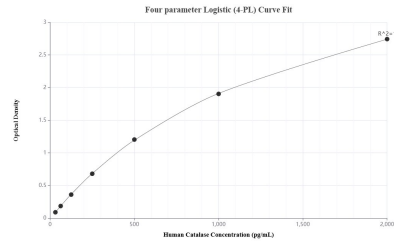
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

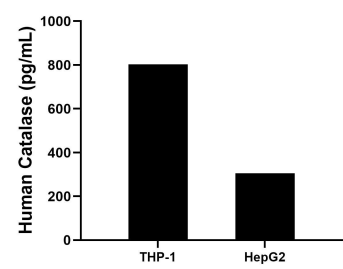
Selected Validation Data



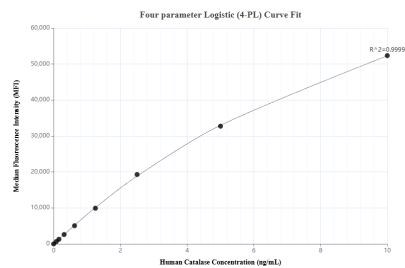
The mean Catalase concentration was determined to be 4.30 ng/mL in THP-1 cell extract based on a 1.5 mg/mL extract load and 0.52 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load.



Sandwich ELISA standard curve of MP03219-2, Human Catalase Recombinant Matched Antibody Pair - PBS only. 83329-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag15383. 83329-5-PBS was HRP conjugated as the detection antibody. Range: 31.3-2000 pg/mL



The mean Catalase concentration was determined to be 803.0 pg/mL in THP-1 cell extract based on a 1.2 mg/mL extract load, 306.1 pg/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03219-1, Catalase Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83329-4-PBS. Detection antibody: 83329-3-PBS. Standard: Ag15383. Range: 0.078-10 ng/mL