

For Research Use Only

IRAK3 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83876-2-PBS



Basic Information

Catalog Number: 83876-2-PBS	GenBank Accession Number: BC057800	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 11213	CloneNo.: 240975C5
Source: Rabbit	UNIPROT ID: Q9Y616	
Isotype: IgG	Full Name: interleukin-1 receptor-associated kinase 3	
Immunogen Catalog Number: AG4959	Calculated MW: 68 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83876-2-PBS targets IRAK3 as part of a matched antibody pair:

MP00849-2: 83876-3-PBS capture and 83876-2-PBS detection (validated in Cytometric bead array)

MP00849-3: 83876-1-PBS capture and 83876-2-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

IRAK3 (Interleukin-1 receptor-associated kinase-3, also named IRAKM) as a kinase-deficient member of the TLR/IRAK family has been shown to negatively regulate Toll-like receptor (TLR)-mediated cell signaling (PMID: 33590831).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

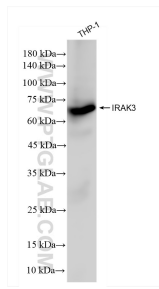
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

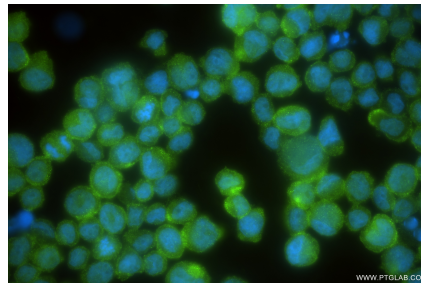
E: proteintech@ptglab.com
W: ptglab.com

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

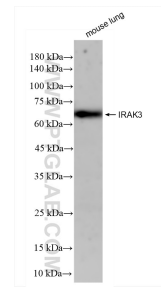
Selected Validation Data



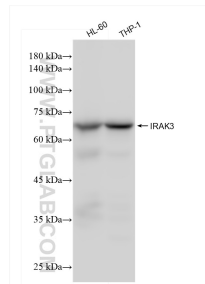
THP-1 cells were subjected to SDS PAGE followed by western blot with 83876-2-RR (IRAK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83876-2-PBS in a different storage buffer formulation.



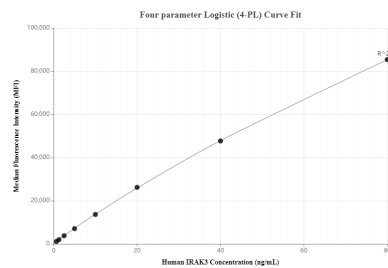
Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using IRAK3 antibody (83876-2-RR, Clone: 240975C5) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83876-2-PBS in a different storage buffer formulation.



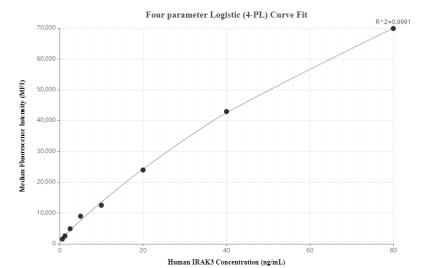
mouse lung tissue were subjected to SDS PAGE followed by western blot with 83876-2-RR (IRAK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83876-2-PBS in a different storage buffer formulation.



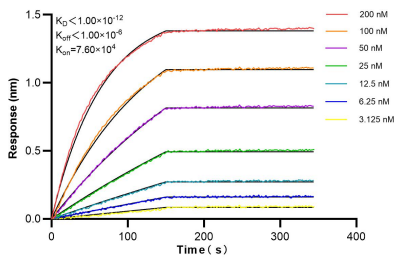
Various lysates were subjected to SDS PAGE followed by western blot with 83876-2-RR (IRAK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83876-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00849-2, IRAK3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83876-3-PBS. Detection antibody: 83876-2-PBS. Standard: Ag4959. Range: 0.625-80 ng/mL.



Cytometric bead array standard curve of MP00849-3, IRAK3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83876-1-PBS. Detection antibody: 83876-2-PBS. Standard: Ag4959. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83876-2-RR against Human IRAK3 were performed. The affinity constant is below 1 pM.