

For Research Use Only

Mouse IFNAR2 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87764-2-PBS



Basic Information

Catalog Number: 87764-2-PBS	GenBank Accession Number: NML_010509	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 15976	CloneNo.: 252155C12
Source: Rabbit	UNIPROT ID: O35664-1	
Isotype: IgG	Full Name: interferon (alpha and beta) receptor 2	
Immunogen Catalog Number: EG6269	Calculated MW: 57 kDa	
	Observed MW: 55, 110 kDa	

Applications

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

Species Specificity:
mouse

Product Information

87764-2-PBS targets IFNAR2 as part of a matched antibody pair:

MP03193-1: 87764-2-PBS capture and 87764-1-PBS detection (validated in Cytometric bead array, 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.

Background Information

Interferon alpha/beta receptor 2 (IFNAR2) is a type I membrane protein that associates with IFNAR1 to form the receptor for type I interferons. Binding and activation of the receptor stimulate Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2, and then increase transcription of the IFN-induced genes whose products exert antiviral, immunomodulatory, and antiproliferative effects.

Storage

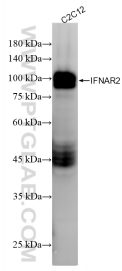
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

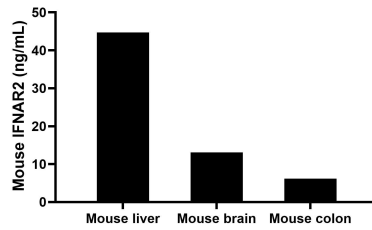
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

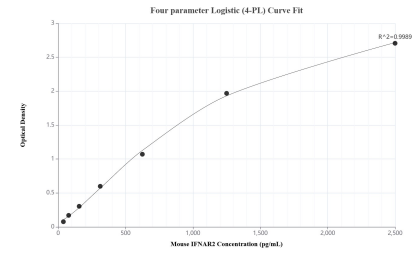
Selected Validation Data



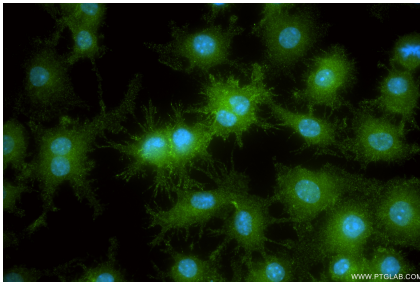
C2C12 cells were subjected to SDS PAGE followed by western blot with 87764-2-RR (Interferon alpha/beta receptor 2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87764-2-PBS in a different storage buffer formulation.



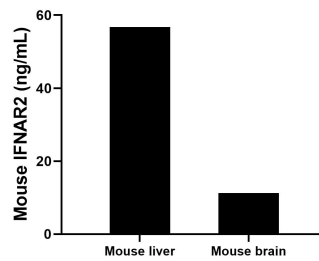
The mean IFNAR2 concentration was determined to be 44.7 ng/mL in mouse liver extract based on a 8.4 mg/mL extract load, 13.1 ng/mL in mouse brain extract based on a 6.3 mg/mL extract load and 6.2 ng/mL in mouse colon extract based on a 4.9 mg/mL extract load.



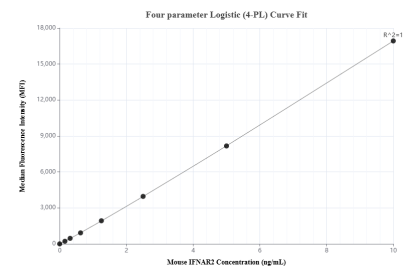
Sandwich ELISA standard curve of MP03193-1, Mouse IFNAR2 Recombinant Matched Antibody Pair - PBS only. 87764-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg6269. 87764-1-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using Interferon alpha/beta receptor 2 antibody (87764-2-RR, Clone: 252155C12) at dilution of 1:300 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87764-2-PBS in a different storage buffer formulation.



The mean IFNAR2 concentration was determined to be 56.7 ng/mL in mouse liver tissue extract based on a 8.4 mg/mL extract load, 11.3 ng/mL in mouse brain tissue extract based on a 6.3 mg/mL extract load.



Cytometric bead array standard curve of MP03193-1, MOUSE IFNAR2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87764-2-PBS. Detection antibody: 87764-1-PBS. Standard: Eg6269. Range: 0.156-10 ng/mL.