

For Research Use Only

Mouse Lipocalin-2/NGAL Recombinant antibody, PBS Only (Detector)

Catalog Number: 83102-5-PBS



Basic Information

Catalog Number: 83102-5-PBS	GenBank Accession Number: NM_008491.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 16819	CloneNo.: 230372C6
Source: Rabbit	UNIPROT ID: P11672	
Isotype: IgG	Full Name: lipocalin 2	
	Calculated MW: 23KD	

Applications

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

Species Specificity:
mouse

Product Information

83102-5-PBS targets Lipocalin-2/NGAL as part of a matched antibody pair:

MP00302-2: 83102-7-PBS capture and 83102-5-PBS detection (validated in Cytometric bead array)

MP00302-4: 83102-1-PBS capture and 83102-5-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

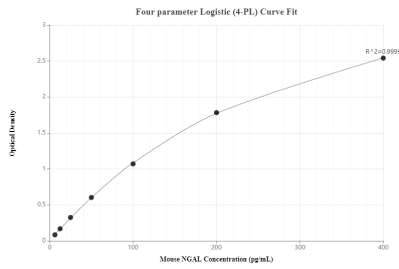
For technical support and original validation data for this product please contact:

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

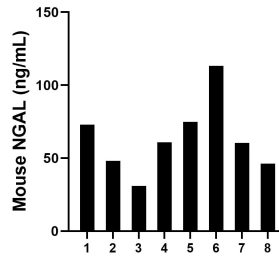
E: proteintech@ptglab.com
W: ptglab.com

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

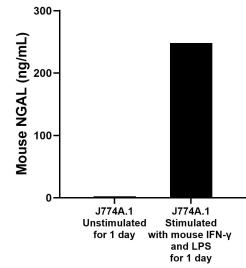
Selected Validation Data



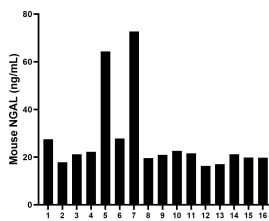
Sandwich ELISA standard curve of MP00302-4, Mouse NGAL Monoclonal Matched Antibody Pair - PBS only. 83102-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0572. 83102-5-PBS was HRP conjugated as the detection antibody. Range: 6.25-400 pg/mL



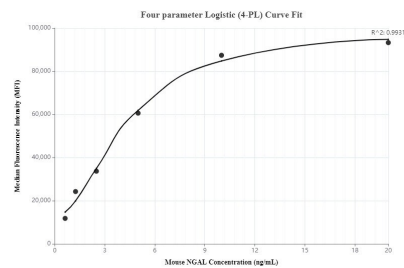
Urine of eight mice were measured. The NGAL concentration of detected samples was determined to be 63.5 ng/mL with a range of 31.0 - 113.3 ng/mL



Mouse reticulum cell sarcoma macrophage cells (0.5×10^6 cells/mL) were cultured for 1 day in DMEM supplemented with 10% fetal bovine serum containing 20 ng/mL of recombinant mouse IFN- γ and 1 μ g/mL of lipopolysaccharide. The mean NGAL concentration was determined to be 2.3 ng/mL in unstimulated J774A.1 supernatant, 248.3 ng/mL in stimulated J774A.1 supernatant.



Serum of sixteen mice were measured. The NGAL concentration of detected samples was determined to be 27.0 ng/mL with a range of 16.3 - 72.7 ng/mL



Cytometric bead array standard curve of MP00302-2, Mouse NGAL Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83102-7-PBS. Detection antibody: 83102-5-PBS. Standard: Eg0572. Range: 0.625-20 ng/mL