

For Research Use Only

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

Catalog Number: 83853-5-PBS



Basic Information

Catalog Number: 83853-5-PBS	GenBank Accession Number: GeneID (NCBI): 170496	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	UNIPROT ID: P30152	CloneNo.: 240792D7
Source: Rabbit	Full Name: Lipocalin 2	
Isotype: IgG	Calculated MW: 22kDa	
Immunogen Catalog Number: EG1022		

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
rat

Product Information

83853-5-PBS targets Lipocalin-2/NGAL as part of a matched antibody pair:

MP00790-4: 83853-4-PBS capture and 83853-5-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.

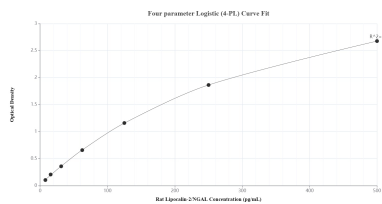
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

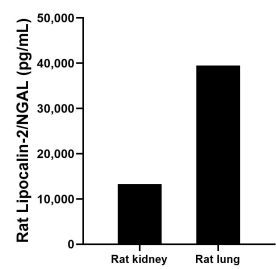
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

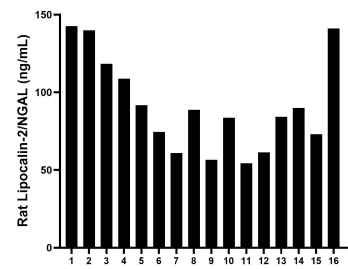
Selected Validation Data



Sandwich ELISA standard curve of MP00790-4, Rat Lipocalin-2/NGAL Recombinant Matched Antibody Pair - PBS only. 83853-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1022. 83853-5-PBS was HRP conjugated as the detection antibody. Range: 7.8-500 pg/mL



The mean Lipocalin-2/NGAL concentration was determined to be 13,314.6 pg/mL in rat kidney tissue extract based on a 2.0 mg/mL extract load and 39,497.5 pg/mL in rat lung tissue extract based on a 1.0 mg/mL extract load.



Serum of sixteen rats was measured. The Lipocalin-2/NGAL concentration of detected samples was determined to be 91.9 ng/mL with a range of 54.4 - 142.6 ng/mL.