

For Research Use Only

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

Catalog Number: 82841-2-PBS



Basic Information

Catalog Number: 82841-2-PBS	GenBank Accession Number: NP_005555.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3934	CloneNo.: 2L8
Source: Rabbit	UNIPROT ID: P80188	
Isotype: IgG	Full Name: lipocalin 2	
	Calculated MW: 23kd	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

82841-2-PBS targets Lipocalin-2/NGAL as part of a matched antibody pair.

MP00770-1: 82841-9-PBS capture and 82841-2-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

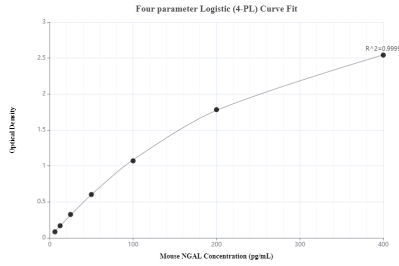
For technical support and original validation data for this product please contact:

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

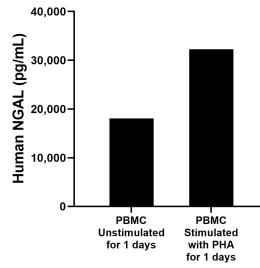
E: proteintech@ptglab.com
W: ptglab.com

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

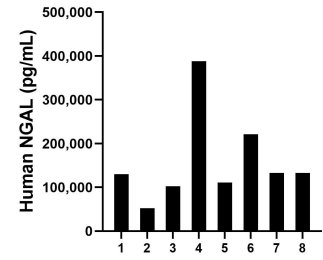
Selected Validation Data



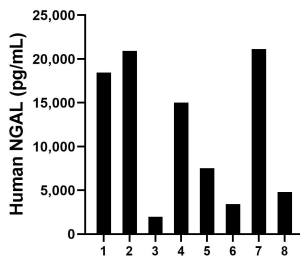
Sandwich ELISA standard curve of MP00770-1, NGAL Recombinant Matched Antibody Pair - PBS only. 82841-9-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0268. 82841-2-PBS was HRP conjugated as the detection antibody. Range: 19.5-1250 pg/mL



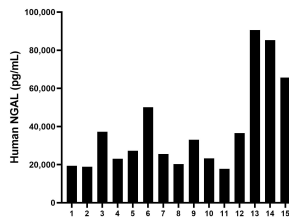
Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 μ /mL PHA for 1 days. The mean NGAL concentration was determined to be 18,080.8 pg/mL in unstimulated PBMC supernatant, 32,268.8 pg/mL in PHA stimulated PBMC supernatant.



Saliva of eight individual healthy human donors was measured. The NGAL concentration of detected samples was determined to be 158,732.5 pg/mL with a range of 52,136.9 - 388,400.2 pg/mL.



Urine of eight individual healthy human donors was measured. The NGAL concentration of detected samples was determined to be 11,654.6 pg/mL with a range of 1,964.2 - 21,150.4 pg/mL.



Plasma of fifteen individual healthy human donors was measured. The NGAL concentration of detected samples was determined to be 38,260.8 pg/mL with a range of 17,778.7 - 90,593.8 pg/mL.