

# Rat Lipocalin-2/NGAL Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00790-4**

## Capture Antibody Information

**Catalog Number:**

83853-4-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

240792E8

**Reactivity:**

rat

**Immunogen Catalog Number:**

Eg1022

**Conjugate:**

Unconjugated

**Full name:**

lipocalin 2

**Gene ID:**

170496

## Detection Antibody Information

**Catalog Number:**

83853-5-PBS

**Host:**

Rabbit

**Isotype:**

IgG

**Purification Method:**

Protein A purification

**Clone ID:**

240792D7

**Reactivity:**

rat

**GenBank:**

Immunogen Catalog Number:

Eg1022

**Conjugate:**

Unconjugated

**Full name:**

lipocalin 2

**Gene ID:**

170496

## Applications

**Tested Applications:**

Sandwich ELISA

**Range:**

7.8-500 pg/mL (Sandwich ELISA)

**Recommended Dilutions:**

It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP00790-4 targets Lipocalin-2/NGAL in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: Rat Lipocalin-2/NGAL Recombinant antibody, PBS Only (Capture) 83853-4-PBS (240792E8). 100 µg. Concentration 1 mg/mL.

Detection antibody: Rat Lipocalin-2/NGAL Recombinant antibody, PBS Only (Detector) 83853-5-PBS (240792D7). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized 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:

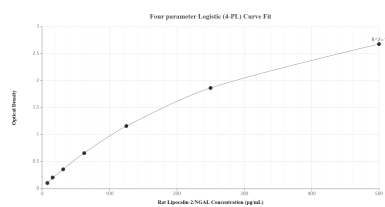
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

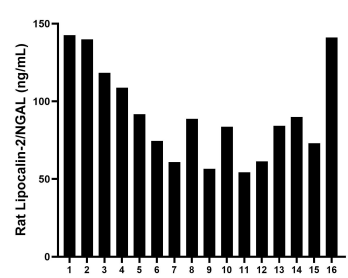
W: [ptglab.com](http://ptglab.com)

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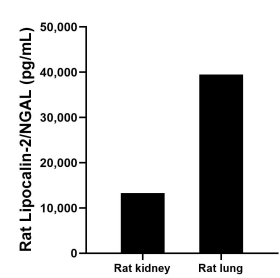
## Selected Validation Data



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.



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.



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.