

For Research Use Only

# Rat IL-2 Recombinant antibody, PBS Only (Capture)

Catalog Number: 82626-2-PBS



## Basic Information

<b>Catalog Number:</b> 82626-2-PBS	<b>GenBank Accession Number:</b> NM_053836	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 116562	<b>CloneNo.:</b> 240264B2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P17108	
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 2	
<b>Immunogen Catalog Number:</b> EG0260	<b>Calculated MW:</b> 18 kDa	

## Applications

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

**Species Specificity:**  
rat

## Product Information

82626-2-PBS targets IL-2 as part of a matched antibody pair:

MP00535-1: 82626-2-PBS capture and 82626-3-PBS detection (validated in Cytometric bead array)

MP00535-2: 82626-2-PBS capture and 82626-4-PBS detection (validated in Cytometric bead array)

MP00535-3: 82626-2-PBS capture and 82626-5-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

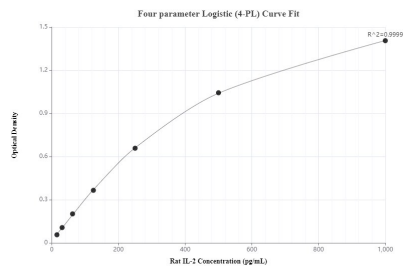
For technical support and original validation data for this product please contact:

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

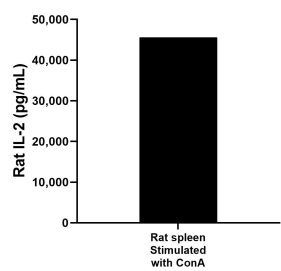
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

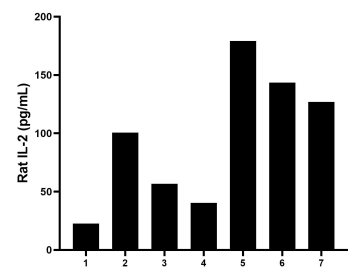
Selected Validation Data



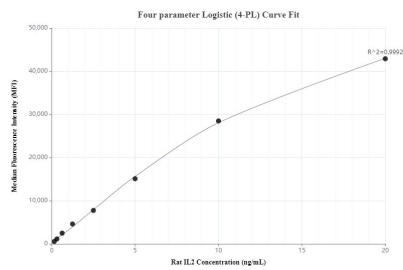
Sandwich ELISA standard curve of MP00535-3, rat IL-2 Recombinant Matched Antibody Pair - PBS only. 82626-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0260. 82626-5-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



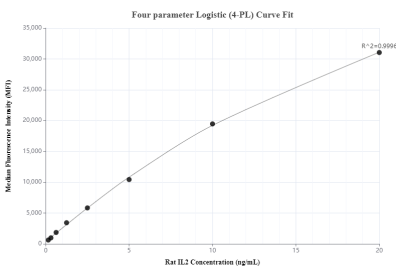
Rat spleen, cut into 1-2 mm pieces, was cultured for 3-4 days in 25-30 mL of RPMI supplemented with 10% fetal bovine serum and stimulated with 10 µg/mL ConA. The cell culture supernate was removed, assayed for rat IL-2, and measured 45,596.05 pg/mL



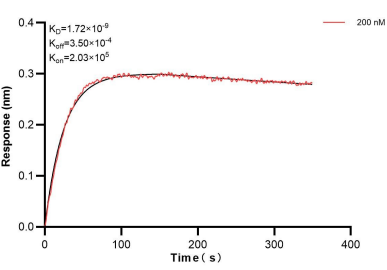
Serum of seven rats was measured. The IL-2 concentration of detected samples was determined to be 95.71 pg/mL with a range of ND - 179.2 pg/mL



Cytometric bead array standard curve of MP00535-1, RAT IL-2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82626-2-PBS. Detection antibody: 82626-3-PBS. Standard: Eg0260. Range: 0.156-20 ng/mL



Cytometric bead array standard curve of MP00535-2, RAT IL-2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82626-2-PBS. Detection antibody: 82626-4-PBS. Standard: Eg0260. Range: 0.156-20 ng/mL



Bilayer interferometry (BLI) kinetic assay of 82626-2-PBS against Rat IL-2 was performed. The affinity constant is 1.72 nM.