

For Research Use Only

Anti-Mouse IL-2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98055-1-PBS



Basic Information

Catalog Number: 98055-1-PBS	GenBank Accession Number: NM_008366	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 16183	CloneNo.: 240358A2
Source: Rabbit	UNIPROT ID: P04351	
Isotype: IgG	Full Name: interleukin 2	
	Calculated MW: 19 kDa	

Applications

Tested Applications:
FC (Intra), Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
mouse

Background Information

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

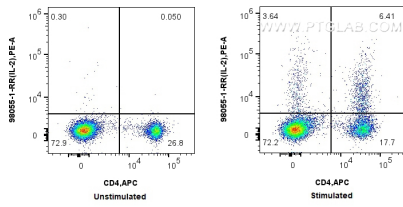
T: 4006900926

E: Proteintech-CN@ptglab.com

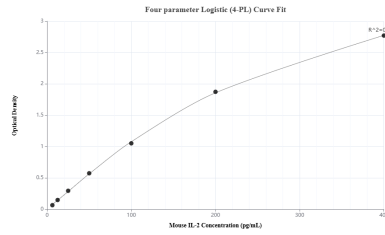
W: ptgcn.com

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

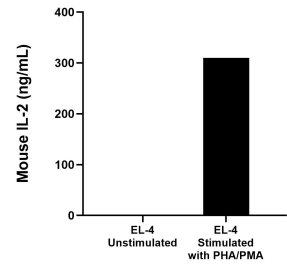
Selected Validation Data



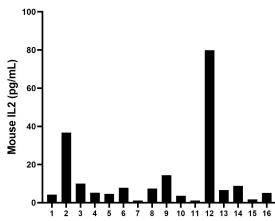
1x10⁶ untreated or PMA, Ionomycin and Brefeldin A treated C57BL/6 mouse splenocytes were intracellularly stained with CoraLite® Plus 647 Anti-Mouse CD4 and 0.25 ug Anti-Mouse IL-2 Rabbit Recombinant Antibody (98055-1-RR, Clone:240358A2) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 98055-1-



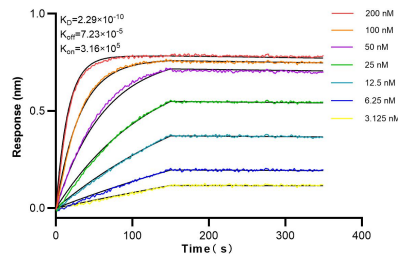
Sandwich ELISA standard curve of MP00533-3, mouse IL-2 Recombinant Matched Antibody Pair - PBS only. 98055-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0762. 83547-1-PBS was HRP conjugated as the detection antibody. Range: 6.25-400 pg/mL



EL-4 mouse lymphoblast cells (1 x 10⁶ cells/mL) were cultured for 3 days in DMEM supplemented with 10% fetal bovine serum and stimulated with 10 μg/mL PHA and 10 ng/mL PMA. The mean mouse IL-2 concentration was determined to be 16.1 pg/mL in unstimulated EL-4, 309.9 ng/mL in PHA and PMA stimulated EL-4 supernatant.



Serum of sixteen mice was measured. were measured. The mouse IL-2 concentration was determined to be 2.27 pg/mL with a range of 1.1-79.9 pg/mL



Biolayer interferometry (BLI) kinetic assays of 98055-1-RR against Mouse IL-2 were performed. The affinity constant is 0.229 nM.