

For Research Use Only

Mouse Tie-2 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84469-4-PBS



Basic Information

Catalog Number: 84469-4-PBS	GenBank Accession Number: NM_001290549.1	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 21687	CloneNo.: 241753H3
Source: Rabbit	UNIPROT ID: Q02858	
Isotype: IgG	Full Name: endothelial-specific receptor tyrosine kinase	
	Calculated MW: 126kDa	

Applications

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

Species Specificity:
mouse

Product Information

84469-4-PBS targets Tie-2 as part of a matched antibody pair:

MP01351-2: 84469-4-PBS capture and 84469-1-PBS detection (validated in Cytometric bead array, 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

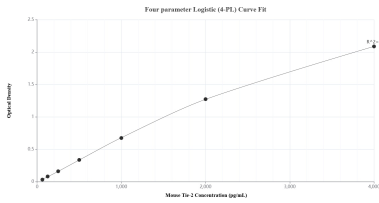
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

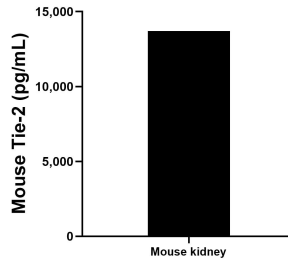
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

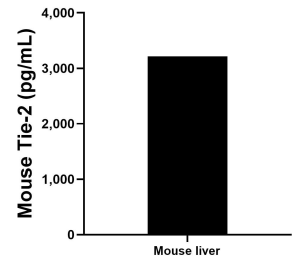
Selected Validation Data



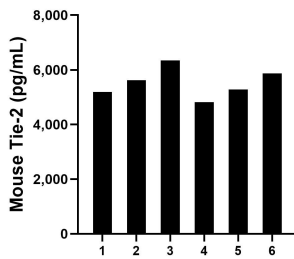
Sandwich ELISA standard curve of MP01351-2, Mouse Tie-2 Recombinant Matched Antibody Pair - PBS only. 84469-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1514. 84469-1-PBS was HRP conjugated as the detection antibody. Range: 125-4000 pg/mL



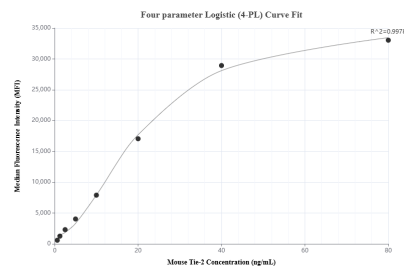
One mouse kidney was cultured for 18 hours in RPMI 1640 supplemented with 10% fetal bovine serum, 50 μ M β -mercaptoethanol, 2 mM L-glutamine, and 100 μ g/mL of streptomycin sulfate. An aliquot of the cell culture supernatant was removed, assayed for mouse Tie-2 and measured 13696.0 pg/mL



The mean Tie-2 concentration was determined to be 3214.5 pg/mL in mouse liver tissue homogenate based on a 3.3 mg/mL extract load.



Serum of six mice was measured. The Tie-2 concentration of detected samples was determined to be 5520.9 pg/mL with a range of 4813.2-6347.4 pg/mL



Cytometric bead array standard curve of MP01351-2, MOUSE Tie-2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84469-4-PBS. Detection antibody: 84469-1-PBS. Standard: Eg1514. Range: 0.625-80 ng/mL