

For Research Use Only

MCTS1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84312-2-PBS



Basic Information

Catalog Number: 84312-2-PBS	GenBank Accession Number: BC001013	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 28985	CloneNo.: 241576F2
Source: Rabbit	UNIPROT ID: Q9ULC4	
Isotype: IgG	Full Name: malignant T cell amplified sequence 1	
Immunogen Catalog Number: AG6968	Calculated MW: 21 kDa	
	Observed MW: 18-21 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84312-2-PBS targets MCTS1 as part of a matched antibody pair.

MP01214-2: 84312-2-PBS capture and 84312-3-PBS detection (validated in Cytometric bead array)

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.

Background Information

MCTS1 is an anti-oncogene that plays a role in cell cycle regulation. It can reduce cell doubling time and anchor-dependent growth. The G1 transition time and the duration of the G1 / S transition are shortened. It can also promote the release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits (PMID: 10440924).

Storage

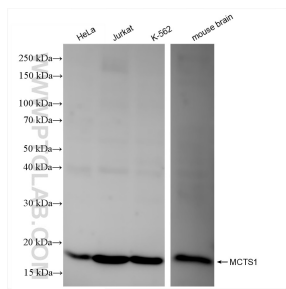
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

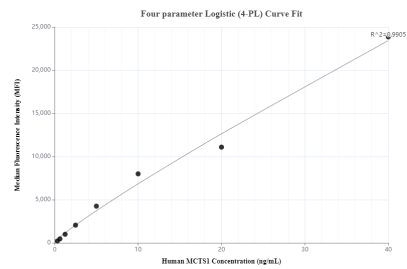
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

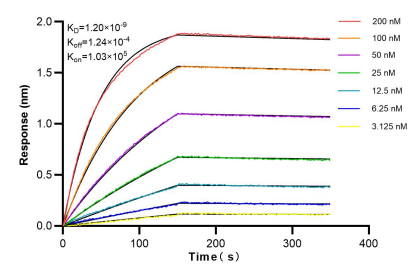
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84312-2-RR (MCTS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84312-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01214-2, MCTS1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84312-2-PBS. Detection antibody: 84312-3-PBS. Standard: Ag6968. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84312-2-RR against Human MCTS1 were performed. The affinity constant is 1.20 nM.