

For Research Use Only

MTAP Recombinant antibody

Catalog Number: 83005-5-RR



Basic Information

Catalog Number: 83005-5-RR	GenBank Accession Number: BC018625	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4507	CloneNo.: 240030E5
Source: Rabbit	UNIPROT ID: Q13126	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: methylthioadenosine phosphorylase	
Immunogen Catalog Number: AG2051	Calculated MW: 283 aa, 31 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

MTAP is a 5-deoxy-5-methylthioadenosine (MTA) phosphorylase, converting MTA to salvageable intermediates including adenine and 5-methylthioribose-1-phosphate. MTAP is abundant in normal cells, but it is frequently found to be deleted in a variety of cancers. Its deficiency is common in cancer cell lines as well as in primary leukemia, lung cancer, melanoma, bladder cancer, gliomas and breast cancer.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

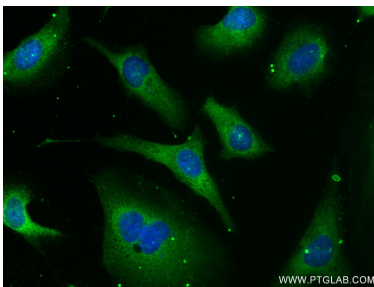
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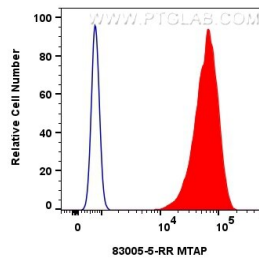
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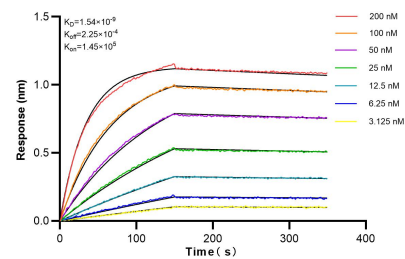
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using MTAP antibody (83005-5-RR, Clone: 240030E5) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug MTAP Recombinant antibody (83005-5-RR, Clone:240030E5) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83005-5-RR against Human MTAP were performed. The affinity constant is 1.54 nM.