

For Research Use Only

# MTAP Recombinant antibody

Catalog Number: 83005-5-RR



## Basic Information

Catalog Number:

83005-5-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2051

GenBank Accession Number:

BC018625

GeneID (NCBI):

4507

UNIPROT ID:

Q13126

Full Name:

methylthioadenosine phosphorylase

Calculated MW:

283 aa, 31 kDa

Purification Method:

Protein A purification

CloneNo.:

240030E5

Recommended Dilutions:

IF/ICC 1:125-1:500

## Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

## 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

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

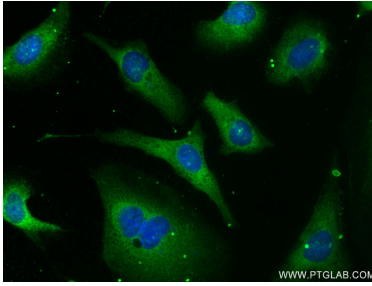
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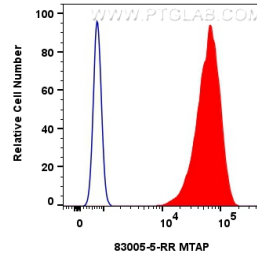
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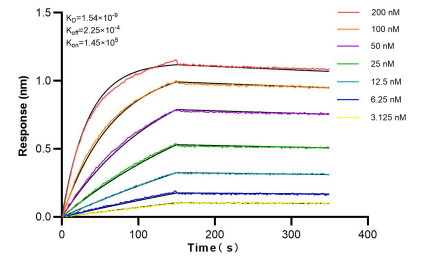
## Selected Validation Data



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).



1x10<sup>6</sup> 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).



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