

For Research Use Only

1-Methyladenosine Monoclonal antibody

Catalog Number: 68636-1-Ig



Basic Information

Catalog Number: 68636-1-Ig	GenBank Accession Number: GeneID (NCBI):	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Full Name:	CloneNo.: 2F2H8
Source: Mouse		Recommended Dilutions: Dot Blot 1:1000-1:4000
Isotype: IgG2a		

Applications

Tested Applications: Dot Blot, ELISA	Positive Controls: Dot Blot : RNA,
Species Specificity: Human	

Background Information

1-Methyladenosine, also known as m1A, belongs to the class of organic compounds known as purine nucleosides. M1A is important for the tRNA 3-dimensional structure, and it is also important for structure stabilization of tRNA due to its positive electrostatic charge and assists in correct folding of tRNA. Recently evidence suggests that m1A in tRNA is under reversible regulation that is installed by a tRNA m1A methyltransferase (MTase) and is erased by AlkB Homolog 1 (ALKBH1) and AlkB Homolog 3 (ALKBH3).

Storage

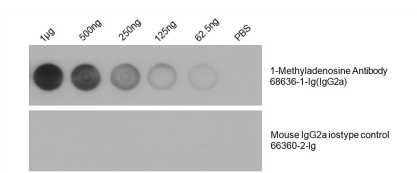
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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
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Selected Validation Data



Total RNA was isolated from HeLa cell line and was dotted to NC membrane at different amount as indicated above the dots. The membrane was blocked with 1% BSA and blotted with m1A (1-Methyladenosine) antibody 68636-1-Ig at 1:2000 followed by incubation of HRP-goat anti-mouse secondary antibody. Signal was developed by ECL substrate. A parallel dot blot was performed using Mouse IgG2a isotype control

