A20693

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2'-O-methylcytidine/ Cm Rabbit mAb

Catalog No.: A20693 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW

Category
Small Molecule-specific Antibody

Applications
ELISA,DB

Cross-Reactivity
Species independent

CloneNo number
ARC50639

Background

RNA methylation plays a significant regulatory role in various of physiological activities. 2'-O-methylcytidine (Cm) is one of the representative 2'-O-methylation and base-methylation modified epigenetic marks of RNA. 2'-O-Methylcytidine is derivative of the nucleoside residue cytidine with a methyl group attached to the 2'-oxygen position. 2′ -O-methylcytidine was found to be related to various diseases including cancer, and it might have great potential to be novel biomarkers for detection of breast cancer in the early stage. In addition, 2'-O-methylcytidine showed as an inhibitor of RNA polymerase from the hepatitis C virus (HCV). And 2′ -O-methylcytidine was involved in plant stress responses.

Recommended Dilutions

DB	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID **Swiss Prot**

Immunogen
Chemical compounds corresponding to 2'-O-methylcytidine/ Cm.

Synonyms
Cm; 2'-O-methylcytidine; 2'-O-methylcytidine/ Cm

Contact

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Product Information

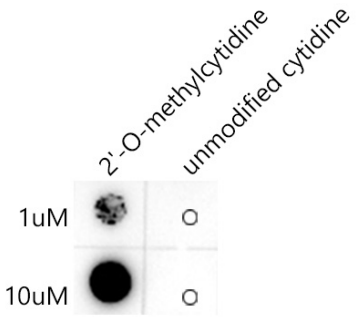
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



The 2'-O-methylcytidine(Cm) Rabbit mAb (A20693) are tested in Dot Blot against 2'-O-methylcytidine and unmodified cytidine.2'-O-methylcytidine ：Biotin-5'CGATAACCACTAGT(Cm)3' unmodified cytosine：Biotin-5'CGATAACCACTAGTC3'