A19136

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# N6-methyladenosine / m6A Mouse mAb

**Catalog No.: A19136** 2 Publications

## Basic Information

**Observed MW**

**Calculated MW**

**Category**
Small Molecule-specific Antibody

**Applications**
ELISA,DB

**Cross-Reactivity**
Species independent

**Clone number**
AMC0257

## Background

Discovered in the 1970s, m6A is the most prevalent internal modification in polyadenylated mRNAs and long non-coding RNAs (lncRNAs) in higher eukaryotes. m6A is widely conserved among eukaryotic species that range from yeast, plants, flies to mammals, as well as among viral RNAs with a nuclear phase. The m6A-based modification is associated with a well-defined RNA motif, RRACH (R: A/G, H: A/C/U). As a representative of the epitranscriptome, m6A mRNA modifications participate in many vital activities in the cell, including stem cell self-renewal and differentiation, mRNA transcription, alternative splicing, nuclear export, translation, degradation, and microRNA processing. These processes determine the expression or inactivation of specific genes, which is vital for growth and development.(PMID: 30416848; PMID: 24662220; PMID: 30429466)

## 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 N6-methyladenosine / m6A.

**Synonyms**
N6-methyladenosine; m6A; N6-methyladenosine / m6A

## Contact

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## Product Information

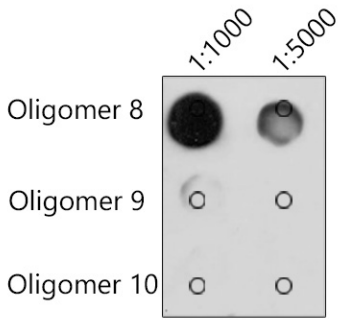
**Source**
Mouse

**Isotype**
IgG1,kappa

**Purification**
Affinity purification

**Storage**
Store at -20℃

## Validation Data




The m6A mouse monoclonal antibody (A19136) are tested in Dot Blot against N6-methyladenosine (m6A) and unmodified adenosine (100ng for each oligomer).
Oligomer 8 - N6-methyladenosine (ATAACTGG-m6A-CCGAATGG)
Oligomer 9 - unmodified adenosine (ATAACTGGACCGAATGG)
Oligomer 10 - unmodified adenosine (AAAAAAAAAAAAAAA-biotin)



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