

For Research Use Only

# MELK Recombinant antibody

Catalog Number: 82893-1-RR



## Basic Information

Catalog Number:

82893-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1897

GenBank Accession Number:

BC014039

GeneID (NCBI):

9833

UNIPROT ID:

Q14680

Full Name:

maternal embryonic leucine zipper kinase

Calculated MW:

651 aa, 75 kDa

Purification Method:

Protein A purification

CloneNo.:

230106D4

Recommended Dilutions:

FC (Intra): 0.50 ug per  $10^6$  cells in a 100  $\mu$ l suspension

## Applications

Tested Applications:

FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

FC (Intra) : MCF-7 cells,

## Background Information

MELK is involved in various processes such as cell cycle regulation, self-renewal of stem cells, apoptosis and splicing regulation. It also plays a key role in cell proliferation and carcinogenesis, and it is required for proliferation of embryonic and postnatal multipotent neural progenitors.

## Storage

Storage:

Store at  $-20^{\circ}\text{C}$ . Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for  $-20^{\circ}\text{C}$  storage

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

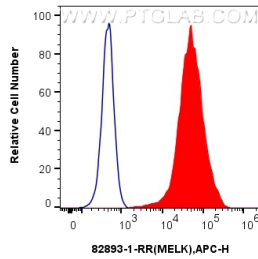
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

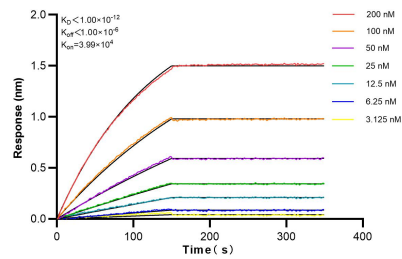
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## Selected Validation Data



1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.5 ug Anti-Human MELK (82893-1-RR, Clone:230106D4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:166 (red), or 0.5 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82893-1-RR against Human MELK were performed. The affinity constant is below 1 pM.