

For Research Use Only

# MELK Recombinant antibody

Catalog Number: 82893-1-RR



## Basic Information

<b>Catalog Number:</b> 82893-1-RR	<b>GenBank Accession Number:</b> BC014039	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9833	<b>CloneNo.:</b> 230106D4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14680	
<b>Isotype:</b> IgG	<b>Full Name:</b> maternal embryonic leucine zipper kinase	
<b>Immunogen Catalog Number:</b> AG1897	<b>Calculated MW:</b> 651 aa, 75 kDa	

## Applications

**Tested Applications:**  
FC (Intra), ELISA

**Species Specificity:**  
human

## 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°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

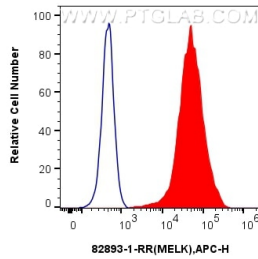
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

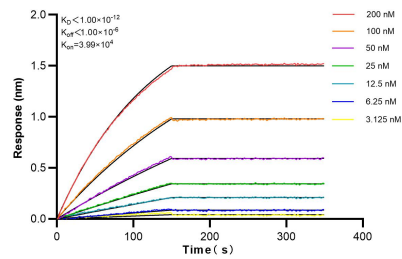
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## Selected Validation Data



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.