

For Research Use Only

# MAGEA3 Recombinant antibody

Catalog Number: 83480-5-RR



## Basic Information

<b>Catalog Number:</b> 83480-5-RR	<b>GenBank Accession Number:</b> BC000340	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4102	<b>CloneNo.:</b> 240435G9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P43357	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> melanoma antigen family A, 3	
<b>Immunogen Catalog Number:</b> AG0265	<b>Calculated MW:</b> 314 aa, 35 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	WB : A375 cells, Jurkat cells, SGC-7901 cells, NCI-H1299 cells
	IF/ICC : A549 cells,

## Background Information

MAGEA3 is a member of the MAGEA family, which belongs to chromosome X-clustered cancer/testis antigens. MAGEA3 is expressed in various human cancers including melanoma, brain, breast, lung, thyroid, colorectal, gastric, pancreatic and ovarian cancer. The aberrant expression of MAGEA3 is associated with poor clinical prognosis in many tumor types. The antibody is specific to MAGEA3.

## Storage

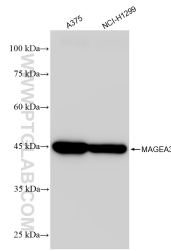
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

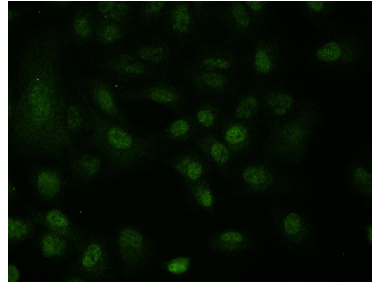
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

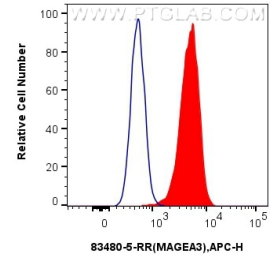
## Selected Validation Data



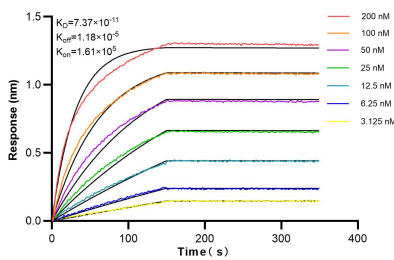
Various lysates were subjected to SDS PAGE followed by western blot with 83480-5-RR (MAGEA3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using MAGEA3 antibody (83480-5-RR, Clone: 240435G9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g MAGEA3 Recombinant antibody (83480-5-RR, Clone:240435G9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83480-5-RR against Human MAGEA3 were performed. The affinity constant is 73.7 pM.