

For Research Use Only

# EVI1 Recombinant monoclonal antibody

Catalog Number: 86935-1-RR



## Basic Information

<b>Catalog Number:</b> 86935-1-RR	<b>GenBank Accession Number:</b> BC130520	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2122	<b>CloneNo.:</b> 252023D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q03112	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> ecotropic viral integration site 1	
<b>Immunogen Catalog Number:</b> AG40447	<b>Calculated MW:</b> 1239 aa, 139 kDa	
	<b>Observed MW:</b> 118 kDa, 140 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, MDA-MB-231 cells
<b>Species Specificity:</b> human	

## Background Information

Evi1 (ecotropic viral integration site 1) gene is an important proto-oncogene, which encodes a transcription factor with zinc finger structure, and this protein regulates the expression of other genes by binding to specific DNA sequences. EVI1 is highly expressed in hematopoietic stem cells (HSC) of human embryo and adult bone marrow, and rapidly down-regulated during differentiation. EVI1 knockout will lead to proliferation and regeneration defects of mouse HSC, accompanied by low expression of GATA2. Rebuilding the expression of EVI1 can restore the ability of proliferation and differentiation of mouse HSC by up-regulating GATA2. The two zinc finger domains of EVI1 can independently bind DNA and regulate different target genes, and they cooperate with FOS protein to jointly regulate cell adhesion, proliferation, colony formation and other processes. In advanced ovarian cancer, EVI1 and AP1 (activator protein 1, FOS is one of its main members) are both expressed abundantly.

## Storage

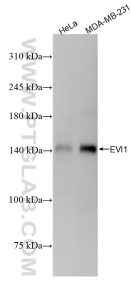
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

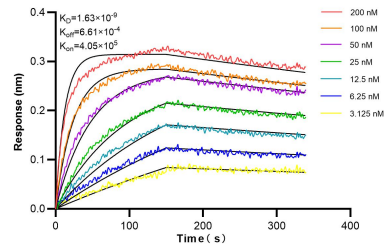
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 86935-1-RR (EVI1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86935-1-RR against Human EVI1 were performed. The affinity constant is 1.63 nM.