

For Research Use Only

EVI1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86935-1-PBS



Basic Information

Catalog Number: 86935-1-PBS	GenBank Accession Number: BC130520	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2122	CloneNo.: 252023D5
Source: Rabbit	UNIPROT ID: Q03112	
Isotype: IgG	Full Name: ecotropic viral integration site 1	
Immunogen Catalog Number: AG40447	Calculated MW: 1239 aa, 139 kDa	
	Observed MW: 118 kDa, 140 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
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

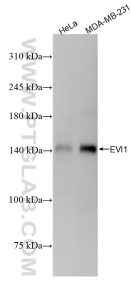
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

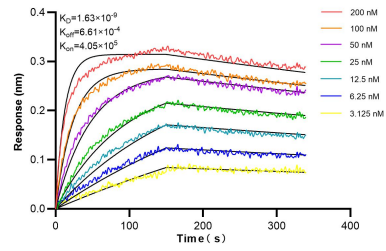
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 86935-1-PBS in a different storage buffer formulation.



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