EVI1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	EVI1, Monoclonal Antibody
Full Product Name	EVI1 (MDS1 and EVI1 Complex Locus Protein EVI1, Ecotropic Virus Integration Site 1 Protein Homolog, EVI-1, MECOM) (MaxLight 405)
Product Gene Name	anti-EVI1 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	6A9
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human EVI1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	118kDa
OMIM	165215
3D Structure	ModBase 3D Structure for Q03112
Immunogen	Partial recombinant corresponding to aa952-1050 from human EVI1 (NP_005232) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	YKSGLSALDHIRHFTDSLKMRKMEDNQYSEAELSSFSTSHVPEELKQPLHRKSKSQAYAMMLSLSDKESLHSTSHSSSNVWHSMARAAAESSAIQSISH
Conjugate	MaxLight405
Product Categories/Family for anti-EVI1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-EVI1 antibody	FLISA, Western Blot (WB)
Application Notes for anti-EVI1 antibody	Sandwich FLISA: The detection limit is ~0.03ng/ml Applications are based on unconjugated antibody.
Related Product Information for anti-EVI1 antibody	MBS6190049 is an antibody targeting EVI1. Also known as EVI1 (MDS1 and EVI1 Complex Locus Protein EVI1, Ecotropic Virus Integration Site 1 Protein Homolog, EVI-1, MECOM) (MaxLight 405). Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-EVI1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EVI1. It may not necessarily be applicable to this product.

NCBI GI #	255683379
NCBI GeneID	2122
NCBI Accession #	NP_005232
UniProt Primary Accession #	Q03112
UniProt Related Accession #	Q03112
GenBank Nucleotide #	NM_005241
NCBI Official Full Name	MDS1 and EVI1 complex locus protein isoform a
NCBI Official Synonym Full Names	MDS1 and EVI1 complex locus
NCBI Official Symbol	MECOM
NCBI Official Synonym Symbols	EVI1; MDS1; KMT8E; PRDM3; RUSAT2; MDS1-EVI1; AML1-EVI-1
UniProt Protein Name	MDS1 and EVI1 complex locus protein EVI1
UniProt Synonym Protein Names	Ecotropic virus integration site 1 protein homolog
Protein Family	MDS1 and EVI1 complex locus protein
UniProt Gene Name	MECOM
UniProt Synonym Gene Names	EVI1; EVI-1
UniProt Entry Name	EVI1_HUMAN
NCBI Protein Information	MDS1 and EVI1 complex locus protein; MDS1 and EVI1 complex locus protein EVI1
NCBI Summary for EVI1	The protein encoded by this gene is a transcriptional regulator and oncoprotein that may be involved in hematopoiesis, apoptosis, development, and cell differentiation and proliferation. The encoded protein can interact with CTBP1, SMAD3, CREBBP, KAT2B, MAPK8, and MAPK9. This gene can undergo translocation with the AML1 gene, resulting in overexpression of this gene and the onset of leukemia. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]
Research Articles on EVI1	**1.** Expression of ecotopic viral integration site 1 (EVI1) is positively correlated with talin1 (TLN1) in both chronic myeloid leukemia (CML)-chronic phase (CP) and CML-blast crisis (BC) cases.
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