

Rabbit anti-Human EVI1/MECOM Polyclonal Antibody | anti-MECOM antibody

Anti-EVI1/MECOM Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126390	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

EVI1/MECOM; Polyclonal Antibody; Anti-EVI1/MECOM Antibody Picoband; anti-MECOM antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-MECOM antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human EVI1/MECOM recombinant protein (Position: E125-D743).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of K562 cells using anti-EVI1/MECOM antibody (AAA126390). Overlay histogram showing K562 cells stained with AAA126390 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-EVI1/MECOM Antibody (AAA126390, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of EVI1/MECOM using anti-EVI1/MECOM antibody (AAA126390). EVI1/MECOM was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-EVI1/MECOM Antibody (AAA126390) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of EVI1/MECOM using anti-EVI1/MECOM antibody (AAA126390). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Skov3 whole cell lysates, Lane 2: human Hel whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: human Caco-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-EVI1/MECOM antigen affinity purified polyclonal antibody (#AAA126390) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for EVI1/MECOM at approximately 138 kDa. The expected band size for EVI1/MECOM is at 138 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MECOM antibody	MDS1 and EVI1 complex locus protein EVI1 (MECOM) also known as ecotropic virus integration site 1 protein homolog (EVI-1) or positive regulatory domain zinc finger protein 3 (PRDM3) is a protein that in humans is encoded by the MECOM gene. 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.
Product Categories/Family for anti-MECOM antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	255683379
NCBI GeneID	2122
NCBI Accession #	NP_001098547.3
NCBI GenBank Nucleotide #	NM_001105077.3
UniProt Accession #	Q03112; Q16122; Q5HYI1; Q6MZS6; Q8NEI5; A1L4F3; A8KA00; B7Z8W7; B7ZLQ3; B7ZLQ4; C9JAK0; D3DNP7; Q13465
Molecular Weight	1051
NCBI Official Full Name	MDS1 and EVI1 complex locus protein EVI1 isoform a
NCBI Official Synonym Full Names	MDS1 and EVI1 complex locus
NCBI Official Symbol	MECOM
NCBI Official Synonym Symbols	EVI1; MDS1; PRDM3; MDS1-EVI1; AML1-EVI-1
NCBI Protein Information	MDS1 and EVI1 complex locus protein EVI1; oncogene EVI1; zinc finger protein Evi1; AML1-EVI-1 fusion protein; MDS1 and EVI1 complex locus protein MDS1; myelodysplasia syndrome-associated protein 1; ecotropic virus integration site 1 protein homolog
UniProt Protein Name	MDS1 and EVI1 complex locus protein EVI1
UniProt Gene Name	MECOM
UniProt Synonym Gene Names	EVI1; EVI-1
UniProt Entry Name	EVI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/evi1-mecom-antibody-western-blot-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/126390>