

**Evi-1 (C50E12) Rabbit mAb (PE Conjugate)**

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Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
FC-FP	H	Endogenous	Rabbit IgG	#Q03112	2122

**Product Usage Information****Application**

Flow Cytometry (Fixed/Permeabilized)

**Dilution**

1:50

**Storage**

Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.

**Specificity/Sensitivity**

Evi-1 (C50E12) Rabbit mAb (PE Conjugate) detects the endogenous levels of total Evi-1 protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu56 of human Evi-1.

**Description**

This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometric analysis in human cells. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated Evi-1 (C50E12) Rabbit mAb #2593.

**Background**

Evi-1 (Ecotropic virus integration site 1) was originally identified as a common site of viral integration in murine myeloid leukemia. It is involved in human myeloid disorders through chromosome translocation and inversion (1) and is also implicated in solid tumor formation (2). Evi-1 is a zinc finger transcription factor which also plays an important role in animal development (3). It has many isoforms due to alternative usage of 5'-ends (4), alternative splicing (5), and intergenic splicing which results in the formation of a fusion protein with MDS1 in normal tissues (6).

**Background References**

1. Nucifora, G. et al. (2006) *Gene* 368, 1-11.
2. Brooks, D.J. et al. (1996) *Br. J. Cancer* 74, 1518-25.
3. Hoyt, P.R. et al. (1997) *Mech. Dev.* 65, 55-70.
4. Aytekin, M. et al. (2005) *Gene* 356, 160-8.
5. Morishita, K. et al. (1990) *Oncogene* 5, 963-71.
6. Fears, S. et al. (1996) *Proc. Natl. Acad. Sci. USA* 93, 1642-7.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Applications Key**

**FC-FP:** Flow Cytometry (Fixed/Permeabilized)

**Cross-Reactivity Key**

**H:** Human

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