Human ZEB1 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 639914

Catalog Number: FAB6708N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ZEB1 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 639914
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human ZEB1 Glu430-Ser575 Accession # P37275
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	MDA-MB-231 human breast cancer cell line

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Zinc finger E-box-binding homeobox 1 (ZEB1; also transcription factor 8 (TCF-8)) is a 124 kDa member of the delta-EF1/ZFH-1 C2H2-type zinc finger family. Human ZEB1 is 1124 amino acids (aa) in length. The protein contains seven C2H2-type zinc fingers and one homeobox DNA-binding domain. In addition, there are eight phosphoserines and one phosphothreonine. Residues 989-1124 make up a glutamine-rich area. Within aa 430-575, human ZEB1 shares 84% and 82% aa sequence identity with mouse and rat ZEB1, respectively. The protein is expressed in heart and skeletal muscle, and defects in ZEB1 are the cause of posterior polymorphous corneal dystrophy type 3, a rare disease involving metaplasia and overgrowth of the corneal endothelial cells.

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