

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TCL1B in direct ELISAs. In direct ELISAs, less than 5% cross-reactivity with recombinant human TCL1A is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TCL1B Ala2-Asp128 (Glu93Arg) Accession # O95988
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

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

TCL1B (T cell leukemia protein 1B; also SYN1 and [p15]TML1) is a monomeric, 15 kDa (predicted) member of the TCL1 family of proteins. It is expressed in the embryo and syncytiotrophoblast, and interacts with Akt1 and Akt2 kinase, promoting their activation and the subsequent deactivation of proapoptotic molecules. Human TCL1B is 128 amino acids (aa) in length. There is no definitive structural motif that characterizes TCL1B, save for a unique β-barrel configuration. Full length human TCL1B shares less than 35% aa identity with five orthologous mouse TCL1B isoforms.

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