

## **TCL1A Antibody (monoclonal) (M12)**

Mouse monoclonal antibody raised against a partial recombinant TCL1A.

Catalog # AT4194a

### **Specification**

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#### **TCL1A Antibody (monoclonal) (M12) - Product Information**

Application	E
Primary Accession	<a href="#">P56279</a>
Other Accession	<a href="#">NM_021966</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	13460

#### **TCL1A Antibody (monoclonal) (M12) - Additional Information**

**Gene ID** 8115

##### **Other Names**

T-cell leukemia/lymphoma protein 1A, Oncogene TCL-1, Oncogene TCL1, Protein p14 TCL1, TCL1A, TCL1

##### **Target/Specificity**

TCL1A (NP\_068801.1, 61 a.a. ~ 114 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### **Precautions**

TCL1A Antibody (monoclonal) (M12) is for research use only and not for use in diagnostic or therapeutic procedures.

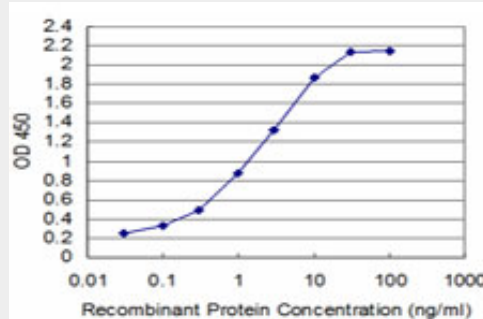
#### **TCL1A Antibody (monoclonal) (M12) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### **TCL1A Antibody (monoclonal) (M12) - Images**



Detection limit for recombinant GST tagged TCL1A is approximately 0.03ng/ml as a capture antibody.

### **TCL1A Antibody (monoclonal) (M12) - Background**

Overexpression of the TCL1 gene in humans has been implicated in the development of mature T cell leukemia, in which chromosomal rearrangements bring the TCL1 gene in close proximity to the T-cell antigen receptor (TCR)-alpha (MIM 186880) or TCR-beta (MIM 186930) regulatory elements (summarized by Virgilio et al., 1998 [PubMed 9520462]). In normal T cells TCL1 is expressed in CD4-/CD8- cells, but not in cells at later stages of differentiation. TCL1 functions as a coactivator of the cell survival kinase AKT (MIM 164730) (Laine et al., 2000 [PubMed 10983986]).

### **TCL1A Antibody (monoclonal) (M12) - References**

TCL1 protein expression in testicular germ cell tumors. Lau SK, et al. *Am J Clin Pathol*, 2010 May. PMID 20395523. T-cell leukemia 1 expression in nodal Epstein-Barr virus-negative diffuse large B-cell lymphoma and primary mediastinal B-cell lymphoma. Gualco G, et al. *Hum Pathol*, 2010 Sep. PMID 20382409. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614. CD5+CD23+ leukemic cell populations in TCL1 transgenic mice show significantly increased proliferation and Akt phosphorylation. Efanov A, et al. *Leukemia*, 2010 May. PMID 20357824. IGHV3-21 gene usage is associated with high TCL1 expression in chronic lymphocytic leukemia. Mansouri MR, et al. *Eur J Haematol*, 2010 Feb 1. PMID 19889012.