

Datasheet for ABIN7506023

anti-TIAL1 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	TIAL1
Reactivity:	Human, Mouse, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIAL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-TIAR Purified
Immunogen:	GST-tagged recombinant human TIAR
Clone:	6E3
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody 6E3 recognizes TIAR, an ubiquitously expressed approximately 42 kDa intracellular RNA-binding protein.
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	TIAL1
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Target Details

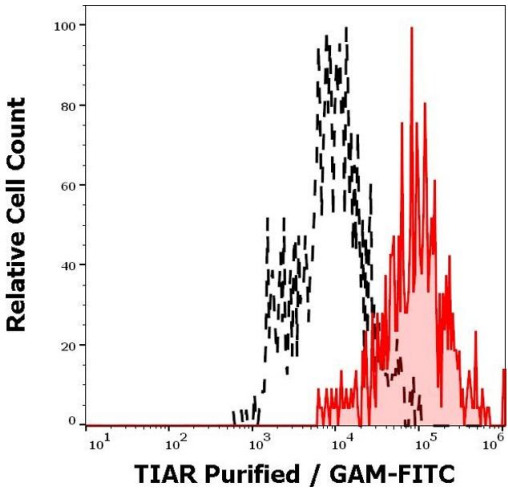
Alternative Name:	TIAR (TIAL1 Products)
Background:	<p>TIA1 cytotoxic granule associated RNA binding prot, TIAR is an ubiquitously expressed RNA-binding protein, which regulates translational control, splicing, and other activities, including apoptosis. TIAR attenuates CDK1 activity, and is essential for the G2/M checkpoint. It accumulates in nuclear foci in late G2 phase and prophase in cells under replication stress. In steady state TIAR shuttles between the cytoplasm and the nucleus, probably as a part of nucleocytoplasmic transport of mRNA, but under stress conditions it accumulates mRNA molecules in granules and prevents their translation. Nucleolytic activity of TIAR against attacked target cells of cytotoxic lymphocytes has also been reported. Similarly, e.g. in permeabilized thymocytes TIAR triggers DNA fragmentation., TCBP, TIAL1</p>
Gene ID:	7073
UniProt:	Q01085

Application Details

Application Notes:	Flow cytometry: Intracellular staining, recommended dilution: 5 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry staining of TIAR in human cell line A-431 using purified mouse monoclonal antibody 6E3 (concentration in sample 5 $\mu\text{g/mL}$, GAM FITC, red-filled) from A-431 cells unstained by primary antibody (GAM FITC, black-dashed) in flow cytometry analysis (intracellular staining).