

Anti-TIA1 Antibody [TIA1/1313] (A250129)

Specifications:

Name:	Anti-TIA1 Antibody [TIA1/1313]
Description:	Mouse monoclonal [TIA1/1313] antibody to TIA1.
Specificity:	TIA-1 (T-cell intracytoplasmic antigen) is a cytoplasmic granule-associated protein, expressed in lymphocytes processing cytolytic potential. TIA-1 is a member of an RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 15kDa protein thought to be derived from the carboxyl terminus of the 40kDa product by proteolytic processing. TIA1 antibody labels cytotoxic T cells and natural killer cells (NK cells). It is also expressed in T-cell lymphoma, large granular lymphocyte (LGL) leukemia and hairy cell leukemia. TIA1 expression in T-cell malignancies may help in differentiating LGL leukemia (high expression) from T-cell lymphocytosis and other T-cell diseases (low expression). TIA1 may also be used to label tumor-infiltrating lymphocytes in the study of immune response to malignancies.
Applications:	Flow Cytometry, IF, WB
Recommended Dilutions:	Flow Cytometry: 0.5-1 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 279-380, of human TIA1 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	TIA1/1313
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Specifications continued:

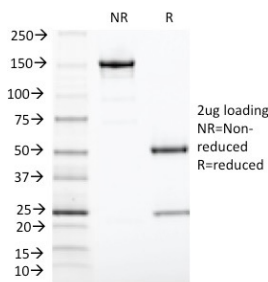
General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-TIA1 Antibody [TIA1/1313] - BSA and Azide free (A253309).

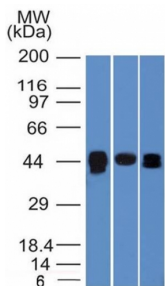
Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

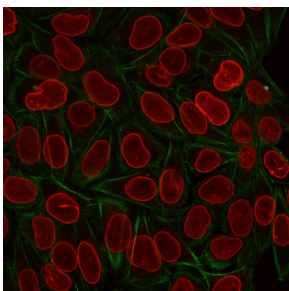
Images:



SDS-PAGE analysis of Anti-TIA1 Antibody [TIA1/1313] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Western blot analysis of HepG2, PC3, and HeLa cell lysates using Anti-TIA1 Antibody [TIA1/1313].



Immunofluorescent analysis of PFA fixed HeLa cells stained with Anti-TIA1 Antibody [TIA1/1313] followed by Goat Anti-Mouse IgG (CF® 488). Nuclei counterstained with RedDot.