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Product datasheet for BM2703

TIA1 Mouse Monoclonal Antibody [Clone ID: 2G9A10F5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2G9A10F5
Applications:	IHC
Recommended Dilution:	**Immunohistochemistry on Frozen Sections.** **Immunohistochemistry on Formalin-Fixed, Paraffin-Embedded Sections:** 1/100 Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. Use Polymer anti Mouse/Rabbit IgG as a detection system. ***Positive Control:*** Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human bone marrow malignant cells from a non-B, non-T acute leukemia.
Specificity:	Within hematopoietic cell lines, the 'TIA-1' monoclonal antibody (2G9) reacts with about 90% of CD16+, 50-60% of CD8+, and less than 10% of CD4+ normal peripheral blood lymphocytes. (5) It reacts with almost all monocytes and granulocytes. (3) This antibody also reacts with CD4+ activated T-cell clones, activated NK cell clones, and Con A-activated thymocytes, but not with B lymphocytes or B-cell lines. (1,5) The 2G9A10F5 monoclonal antibody was evaluated during the 5th International Workshop on Human Leucocyte Differentiation Antigens, in Boston, USA, in the section of monoclonal antibodies reactive with intracellular antigens. (6) ***Cellular Localization:*** Cytoplasmic.
Formulation:	State: Purified Buffer: Tris-HCl containing stabilizing protein and <0.1% sodium azide.
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	TIA1 cytotoxic granule-associated RNA binding protein

View online »

Database Link: Entrez Gene 5395 HumanEntrez Gene 7072 Human P31483

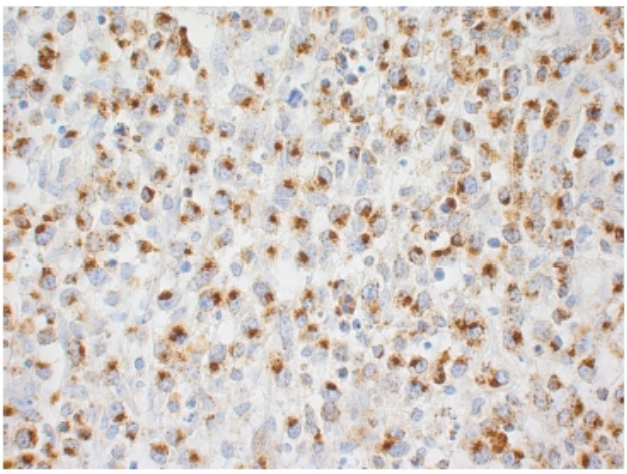
Background: TIA1 is a member of an RNA binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 17-kDa protein that is thought to be derived from the carboxyl terminus of the 40-kDa product by proteolytic processing.

Synonyms: Nucleolysin TIA-1, p40-TIA-1, p15-TIA-1

Protein Families: Druggable Genome

Protein Pathways: Mismatch repair

Product images:



Formalin-Fixed, Paraffin-Embedded Human nasal T/NK cell lymphoma stained with TIA-1 antibody Cat.-No BM2703 using peroxidase conjugate and DAB chromogen. Note the cytoplasmic granular staining of lymphoma cells.