

TIA-1 (Clone 2G9A10F5) Mouse Monoclonal Antibody

Specificity: Human. Others not tested

Immunogen: Human bone marrow malignant cells from a non-B, non-T acute leukemia

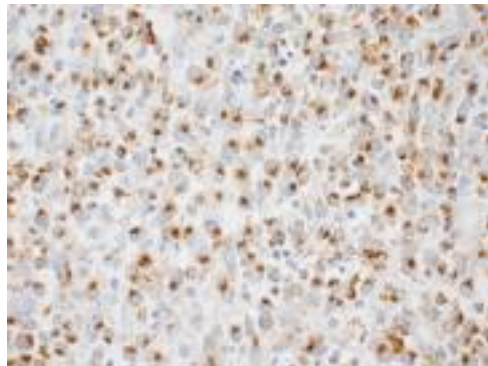
Ig Class: IgG1

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100; *Positive Control:* Tonsil. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

Description: The T cell intracellular antigen 1 (TIA-1) is a 17-kDa cytoplasmic granule-associated protein also designated as GMP-17, for granule membrane protein of 17 kDa. The GMP-17/TIA-1 molecule is expressed in cells possessing cytolytic potential and could be involved in the signaling cascade of Fas (CD95)-mediated apoptosis. Within hematopoietic cell lines, the 2G9 monoclonal antibody (mAb) reacts with about 90% of CD16+, 50 – 60% of CD8+, and less than 10% of CD4+ normal peripheral blood lymphocytes. It reacts with almost all monocytes and granulocytes. 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.

Supplied As: Purified from ascites fluid by Protein G chromatography in 15mM sodium azide.



Formalin-fixed, paraffin-embedded human nasal T/NK cell lymphoma stained with anti-TIA-1 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic granular staining of lymphoma cells

Cat. #Z2183 (1.0 ml)

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