

## Recombinant TIA1 (T-Cell-Restricted Intracellular Antigen-1) Antibody

Mouse Monoclonal Antibody [Clone rTIA1/1353]

Catalog No	Format	Size
7072-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7072-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7072-MSM3-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

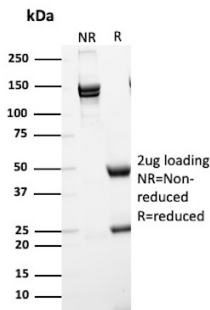
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	rTIA1/1353
<b>Immunogen</b>	Recombinant full-length human TIA1 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	42.96kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus, Stress granule
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human tonsil.

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant TIA1 (T-Cell-Restricted Intracellular Antigen-1) Antibody



SDS-PAGE Analysis of Purified Cytotoxic granule associated RNA binding protein TIA1 Recombinant Mouse Monoclonal Antibody (rTIA1/1353). Confirmation of Purity and Integrity of Antibody.

### **Specificity & Comments**

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 rTIA1/1353 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 activated thymocytes, but not with B lymphocytes or B cell lines. 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.

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### **Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### **Supplied As**

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### **Storage and Stability**

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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