

# Product Datasheet

## TIA1 Antibody (TIA1/1352R) [mFluor Violet 500 SE] NBP3-14194MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14194MFV500**

TIA1 Antibody (TIA1/1352R) [mFluor Violet 500 SE]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	TIA1/1352R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG Kappa
<b>Conjugate</b>	mFluor Violet 500 SE
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	7072
<b>Gene Symbol</b>	TIA1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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 TIA1/1352R monoclonal antibody 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.
<b>Immunogen</b>	Human bone marrow malignant cells from a non B, non T acute leukemia
<b>Notes</b>	mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP3-14194MFV500**

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H00007072-P01-10ug	Recombinant Human TIA1 GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP2-06452	TIA1 Overexpression Lysate
AF114	CD45 Antibody [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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