

# Product Datasheet

## TGF-alpha Antibody (SPM357) [mFluor Violet 500 SE] NBP3-08270MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08270MFV500**

TGF-alpha Antibody (SPM357) [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>                       | SPM357   |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG1 Kappa   |
| <b>Conjugate</b>                   | mFluor Violet 500 SE   |
| <b>Purity</b>                      | Protein A or G purified  |
| <b>Buffer</b>                      | 50mM Sodium Borate   |
| <b>Product Description</b>         |  |
| <b>Host</b>                        | Mouse  |
| <b>Gene ID</b>                     | 7039   |
| <b>Gene Symbol</b>                 | TGFA   |
| <b>Species</b>                     | Human, Mouse, Rat, Bovine  |
| <b>Specificity/Sensitivity</b>     | This antibody reacts with the C-terminus of TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with Ab-1 is completely blocked by the peptide used for raising this antibody. TGF (aa50) is a growth factor with 33% homology to EGF, binds to EGFR, activates tyrosine phosphorylation of the receptor, and stimulates cell proliferation. It plays a role in tumor initiation by inducing the reversible transformed phenotype. |
| <b>Immunogen</b>                   | A 17-amino acid synthetic peptide from the carboxyl-terminus of rat TGF-alpha (Uniprot: P01135)  |
| <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>                | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin  |
| <b>Recommended Dilutions</b>       | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin  |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.   |

## Images

TGF-alpha Antibody (SPM357) [mFluor Violet 500 SE] - Vial of mFluor Violet 500 conjugated antibody. mFluor Violet 500 is optimally excited at 410 nm by the Violet laser (405 nm) and has an emission maximum of 501 nm.



mFluor™ Violet 500

| LASER (nm)   | FILTER |
|--------------|--------|
| Violet (405) | 515/20 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 410                 | 501               |



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### **Products Related to NBP3-08270MFV500**

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|                  |                                     |
|------------------|-------------------------------------|
| NBP2-36432-100ug | Human TGF-alpha Recombinant Protein |
| 7754-BH-005/CF   | TGF-beta 1 [Unconjugated]           |
| 239-A-100        | TGF-alpha                           |
| 210-TA-005       | TNF-alpha [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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