

# Product Datasheet

## TGF-alpha Antibody (P/T1) [Janelia Fluor® 549] NBP2-34702JF549

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34702JF549**

TGF-alpha Antibody (P/T1) [Janelia Fluor® 549]

| <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>                       | P/T1   |
| <b>Preservative</b>                | 0.05% Sodium Azide   |
| <b>Isotype</b>                     | IgG1 Kappa   |
| <b>Conjugate</b>                   | Janelia Fluor 549  |
| <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, Rabbit, Zebrafish   |
| <b>Specificity/Sensitivity</b>     | This antibody reacts with the TGF alpha and shows no cross-reaction with EGF and the neuropeptide synenkephalin. The staining with this monoclonal antibody 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 10-amino acid synthetic peptide (aa34-43; PPVAAAVVSH) from human TGF-alpha (Uniprot: P01135)   |
| <b>Notes</b>                       | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.  |
| <b>Product Application Details</b> |  |
| <b>Applications</b>                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  |
| <b>Recommended Dilutions</b>       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready  |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP2-34702JF549**

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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 [Unconjugated]            |
| 236-EG-200       | EGF [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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