

# Product Datasheet

## TGF-beta Antibody (1D11.16.8) [Alexa Fluor™ Plus 555] NBP2-45137AFP555

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-45137AFP555**

TGF-beta Antibody (1D11.16.8) [Alexa Fluor™ Plus 555]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | 1D11.16.8   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Alexa Fluor Plus 555  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 7040   |
| Gene Symbol             | TGFB1  |
| Species                 | Human, Mouse, Rat, Bovine, Canine, Hamster, Monkey   |
| Specificity/Sensitivity | This MA b recognizes TGF beta 1, 2 and 3. Three TGF betas have been identified in mammals. TGFbeta1, TGFbeta2 and TGFbeta3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecules. Biologically active TGFbeta requires dimerization of the monomers (usually homodimers) and release of the latent peptide portion. Overall, the mature region of the TGFbeta3 protein has approximately 80% identity to the mature region of both TGFbeta1 and TGFbeta2. However, the NH2 terminals or precursor regions of their molecules share only 27% sequence identity. TGFbeta's inhibit the growth of epithelial cells and stimulate the growth of mesenchymal cells.   |
| Immunogen               | Bovine bone-derived TGF-beta 1 and TGF-beta 2  |
| Notes                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a> . 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. |

**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Sandwich ELISA, ELISA Capture (Matched Antibody Pair) |
| <b>Recommended Dilutions</b> | Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA, ELISA Capture (Matched Antibody Pair) |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.  |





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### **Products Related to NBP2-45137AFP555**

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|                |                           |
|----------------|---------------------------|
| 7754-BH-005/CF | TGF-beta 1 [Unconjugated] |
| 236-EG-200     | EGF [Unconjugated]        |
| 210-TA-005     | TNF-alpha [Unconjugated]  |
| M6000B-1       | IL-6 [HRP]                |

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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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