

# Product Datasheet

## TGF-beta Antibody (1D11.16.8) - Azide and BSA Free NBP2-47736-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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**NBP2-47736-0.1mg**

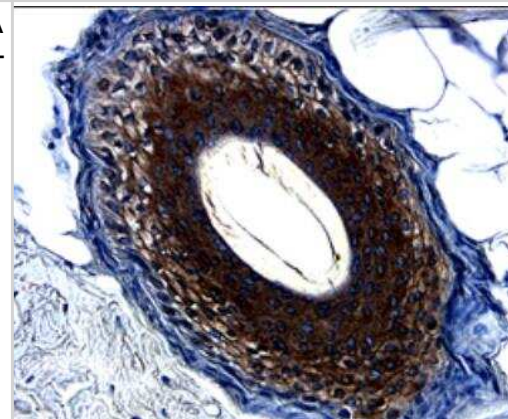
TGF-beta Antibody (1D11.16.8) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1D11.16.8
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	13 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	7040
<b>Gene Symbol</b>	TGFB1
<b>Species</b>	Human, Mouse, Rat, Bovine, Canine, Hamster, Monkey
<b>Specificity/Sensitivity</b>	This MAb 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.
<b>Immunogen</b>	Bovine bone-derived TGF-beta 1 and TGF-beta 2
<b>Product Application Details</b>	
<b>Applications</b>	Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA, ELISA Capture (Matched Antibody Pair), Inhibition Activity, Neutralization
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 8-25 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0ug/ml, Functional, Sandwich ELISA, Neutralization, ELISA Capture (Matched Antibody Pair), Inhibition Activity
<b>Application Notes</b>	Hu-chromosome location: 19q13.1 (beta1); 1q41 (beta2); 14q24 (beta3). Order Ab without BSA/Azide for Functional Assay and Cytokine Neutralization



## Images

Immunohistochemistry: TGF-beta Antibody (1D11.16.8) - Azide and BSA Free [NBP2-47736] - TGF-beta was detected in immersion fixed paraffin-embedded human skin using 25 ug/mL Mouse Anti-TGF-beta Monoclonal Antibody (Clone 1D11.16.8) overnight at 4 degrees C. Tissues was stained using the Anti-Mouse HRP-DAB Cell and Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with Haematoxylin (blue).





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### Products Related to NBP2-47736-0.1mg

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
7754-BH-005/CF	TGF-beta 1 [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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