

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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NBP2-47736-0.1mg

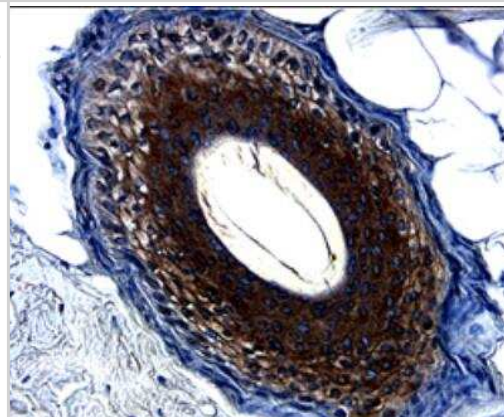
TGF-beta Antibody (1D11.16.8) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D11.16.8
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	13 kDa
Product Description	
Description	Novus Biologicals Mouse TGF-beta Antibody (1D11.16.8) - Azide and BSA Free (NBP2-45137) is a monoclonal antibody validated for use in IHC, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7040
Gene Symbol	TGFB1
Species	Human, Mouse, Rat, Bovine, Canine, Hamster, Monkey
Specificity/Sensitivity	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.
Immunogen	Bovine bone-derived TGF-beta 1 and TGF-beta 2
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Sandwich ELISA, ELISA Capture (Matched Antibody Pair), Inhibition Activity, Neutralization
Recommended Dilutions	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
Application Notes	Hu-chromosome location: 19q13.1 (beta1); 1q41 (beta2); 14q24 (beta3). Order Ab without BSA/Azide for Functional Assay and Cytokine Neutralization

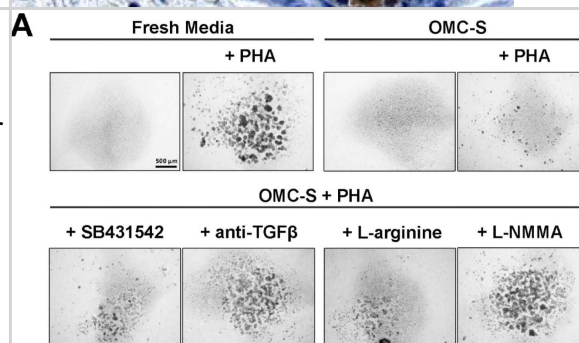


Images

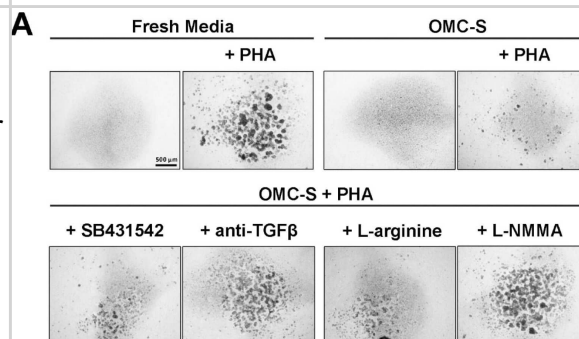
Immunohistochemistry: TGF-beta Antibody (1D11.16.8) - Azide and BSA Free [NBP2-47736] - TGF-beta was detected in immersion fixed paraffin-embedded human skin using 25 ug/mL Mouse Anti-TGF-beta Monoclonal Antibody (Clone 1D11.16.8) overnight at 4 degrees C. Tissues was stained using the Anti-Mouse HRP-DAB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



Lymphosuppression of OMC-derived secretome is partially mediated through TGF β , L-arginine, and induction of nitric oxide synthase (NOS) in lymphocytes. (A). Upper panels, low-magnification (2 \times) images of mouse lymph nodes (LN) lymphocytes cultured for 48 h in fresh media or OMC-derived secretome (OMC-S), with or without 25 ug/mL phytohemagglutinin (PHA). Scale bar: 500 μ m. Lower panel, images of mouse LN lymphocytes cultured in the presence of OMC-S + PHA supplemented with 50 μ M SB-431542 (selective inhibitor of ALK5/TGF- β 1 Receptor), 1 μ g/mL of a mouse monoclonal anti-TGF- β 1, β 2, and β 3 antibody, 1 mM L-arginine, or 100 μ M L-NMMA (specific inhibitor of nitric oxide synthase). (B) Quantification of lymphocyte agglutination in response to the various experimental culture conditions by measuring mean particle size surface (μ m²). Results shown are mean \pm s.e.m from (n = 3) distinct batches of OMC-S from ALIC1, SEV3, and SEV4. Statistical differences between experimental conditions were calculated using one way ANOVA. * is for p \leq 0.05; ** for p \leq 0.01; *** p \leq 0.001. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35682603>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Products Related to NBP2-47736-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
7754-BH-005/CF	TGF-beta 1 [Unconjugated]

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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