TGF-beta Antibody (1/2/3) [clone 1D11.16.8] (V2889)

Catalog No.	Formulation	Size
V2889-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2889-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2889SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (12) **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	1D11.16.8
Purity	Protein G affinity chromatography
UniProt	P01137, P10600, P61812
Localization	Cytoplasm and extracellular (secreted)
Applications	Cytokine neutralization (order BSA/sodium azide-free format) Functional assay (order BSA/sodium azide-free format) ELISA: 0.1-0.4ug/ml (detect); 2-8ug/ml (capture) Immunofluorescence: 8-25ug/ml Western blot (recombinant protein): 5-10ug/ml of antibody per 1ug/lane of recombinant protein
Limitations	This TGF-beta antibody is available for research use only.



Description

TGF-beta Antibody recognizes TGF beta 1, 2 and 3. Three TGFbs have been identified in mammals. TGFb1, TGFb2 and TGFb3 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 TGFb requires dimerization of the monomers (usually homodimers) and release of the latent peptide portion. Overall, the mature region of the TGFb3 protein has approximately 80% identity to the mature region of both TGFb1 and TGFb2. However, the NH2 terminals or precursor regions of their molecules share only 27% sequence identity. TGFb's inhibit the growth of epithelial cells and stimulate the growth of mesenchymal cells.

Application Notes

Optimal dilution of the TGF-beta antibody should be determined by the researcher.

Immunogen

Bovine TGF-beta2 protein was used as the immunogen for the TGF-beta antibody.

Storage

Store the TGF-beta antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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