

**bsm-33345M****[ Primary Antibody ]**

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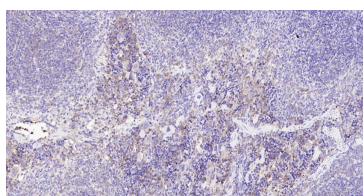
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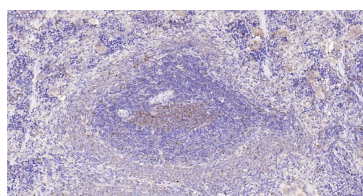
400-901-9800

**TGF beta 1 Mouse mAb****— DATASHEET —**

<b>Host:</b> Mouse	<b>Isotype:</b> IgG1	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Mouse, Rat (predicted: Human)  <b>Predicted MW.:</b> 12.8/44 kDa  <b>Subcellular Location:</b> Secreted ,Extracellular matrix
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> 6B9	
<b>GeneID:</b> 7040	<b>SWISS:</b> P01137	
<b>Target:</b> TGF beta 1		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TGF beta 1 ) Monoclonal Antibody, Unconjugated (bsm-33345M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TGF beta 1 ) Monoclonal Antibody, Unconjugated (bsm-33345M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=16.6]** Xiao Zebin. et al. Desmoplastic stroma restricts T cell extravasation and mediates immune exclusion and immunosuppression in solid tumors. NAT COMMUN. 2023 Aug;14(1):1-21 IF ;Mouse. 37607999
- **[IF=15.1]** Shan Zhong. et al. Electrical and immune stimulation-based hydrogels synergistically realize scarless wound healing via amplifying endogenous electrophysiological function and promoting Macrophage Phenotype-Switching. CHEM

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

ENG J. 2024 Jul;491:152048 IHC ;Rat,Rabbit. 10.1016/j.cej.2024.152048

- **[IF=7.7]** Futing Yang. et al. Topography immune-responsive silk films for skin regeneration. INT J BIOL MACROMOL. 2025 Jan;287:138543 IHC ;Rat. 39653216
- **[IF=8.2]** Guokun Zhang. et al. Antler thymosin  $\beta$ 10 reduces liver fibrosis via inhibiting TGF- $\beta$ 1/SMAD pathway. INT J BIOL MACROMOL. 2024 Apr;264:130502 IHC, WB ;Rat. 38428779
- **[IF=7]** Xusen Wang. et al. 3D printing of Rg3-loaded hydrogel scaffolds: anti-inflammatory and scar-formation related collagen inhibitory effects for scar-free wound healing. J MATER CHEM B. 2024 Apr;; IHC ;Pig. 38647236