bsm-61027R **[Primary Antibody]**

TGF beta 1 Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 12B9
GeneID: 7040
SWISS: P01137
Target: TGF beta 1

Immunogen: A synthesized peptide derived from human TGF beta 1: 300-335.

Purification: affinity purified by Protein A

Storage: 0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGFB family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease. [provided by RefSeq, Aug 2016]

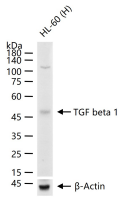
Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW.: 44

Subcellular Location: Secreted ,Extracellular matrix

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with TGF beta 1 monoclonal antibody, unconjugated (bsm-61027R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=2.8]** Quan-Bing Zhang. et al.Role of hypoxia-mediated pyroptosis in the development of extending knee joint contracture in rats.european journal of medical research.2024 May 27;29(1):298. Western blot ;Rat. 38802976