

#### TGF-Beta Antibody (clone TB21)

Mouse Monoclonal Antibody Catalog # ALS13608

## **Specification**

# TGF-Beta Antibody (clone TB21) - Product Information

Application WB, IHC-P, E, IHC-F, Neut, FuncS

Primary Accession
Reactivity
Host
Clonality
Dilution
P01137
Human
Mouse
Monoclonal
WB~~1:1000

IHC-P~~N/A E~~N/A IHC-F~~N/A Neut~~N/A FuncS~~N/A

## TGF-Beta Antibody (clone TB21) - Additional Information

**Gene ID** 7040

## **Other Names**

Transforming growth factor beta-1, TGF-beta-1, Latency-associated peptide, LAP, TGFB1, TGFB

## **Target/Specificity**

Recognizes both human platelet-derived and recombinant TGF-beta.

## **Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

#### **Precautions**

TGF-Beta Antibody (clone TB21) is for research use only and not for use in diagnostic or therapeutic procedures.

#### TGF-Beta Antibody (clone TB21) - Protein Information

Name TGFB1 (HGNC:11766)

**Synonyms TGFB** 

## **Function**

Transforming growth factor beta-1 proprotein: Precursor of the Latency-associated peptide (LAP) and Transforming growth factor beta-1 (TGF-beta-1) chains, which constitute the regulatory and active subunit of TGF-beta-1, respectively.

#### **Cellular Location**

[Latency-associated peptide]: Secreted, extracellular space, extracellular matrix



## **Tissue Location**

Highly expressed in bone (PubMed:11746498, PubMed:17827158). Abundantly expressed in articular cartilage and chondrocytes and is increased in osteoarthritis (OA) (PubMed:11746498, PubMed:17827158). Colocalizes with ASPN in chondrocytes within OA lesions of articular cartilage (PubMed:17827158)

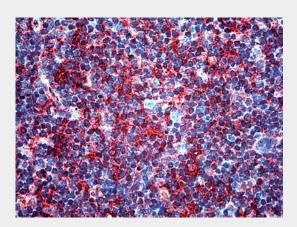
Volume 250 μl

# TGF-Beta Antibody (clone TB21) - Protocols

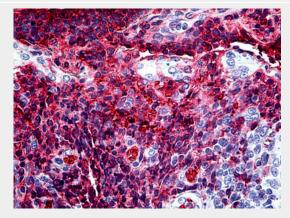
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## TGF-Beta Antibody (clone TB21) - Images



Anti-TGF-Beta antibody IHC of human thymus.



Anti-TGF-Beta antibody IHC of human tonsil.