

**TGF-Beta Antibody (clone TB21)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13608**

**Specification**

---

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

Application	IHC
Primary Accession	<a href="#">P01137</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal

**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)

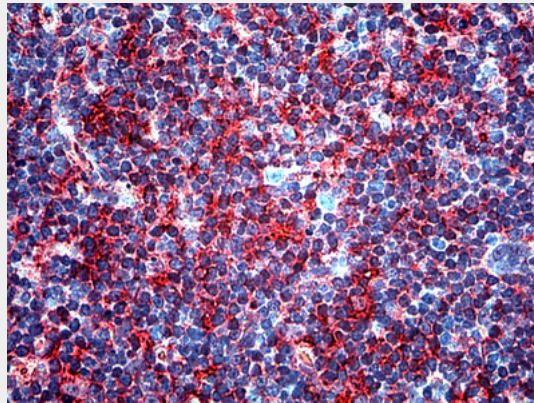
**Volume**  
250  $\mu$ l

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

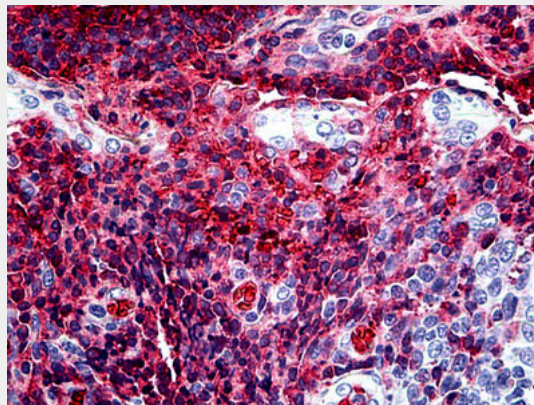
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



Anti-TGF-Beta antibody IHC of human thymus.



Anti-TGF-Beta antibody IHC of human tonsil.