

TGF- β 1 Blocking Peptide
Catalog # PBV10491b**Specification**

TGF- β 1 Blocking Peptide - Product Information

Primary Accession	P01137
Gene ID	7040
Calculated MW	44325

TGF- β 1 Blocking Peptide - Additional Information**Gene ID** 7040**Application & Usage**

The peptide is used for blocking the antibody activity of TGF- β 1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

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

Target/SpecificityTGF- β 1**Formulation**50 μ g (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.**Reconstitution & Storage**

-20 °C

Background Descriptions**Precautions**TGF- β 1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.**TGF- β 1 Blocking Peptide - 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)

TGF-β1 Blocking Peptide - 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-β1 Blocking Peptide - Images