

## Mouse TGF BETA Monoclonal Antibody | anti-TGF BETA antibody

MOUSE ANTI HUMAN TGF BETA

|                              |                      |                                                                                                     |
|------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA49706</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry</b> |
|------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|

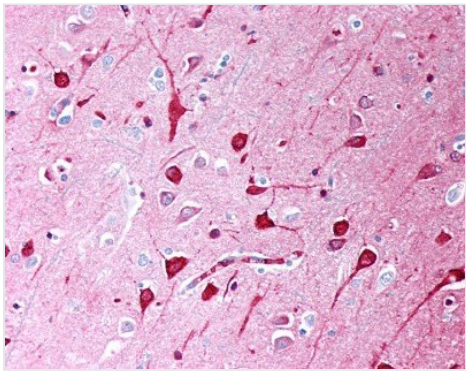
### PRODUCT SYNONYMS

TGF BETA; Monoclonal Antibody; MOUSE ANTI HUMAN TGF BETA; anti-TGF BETA antibody

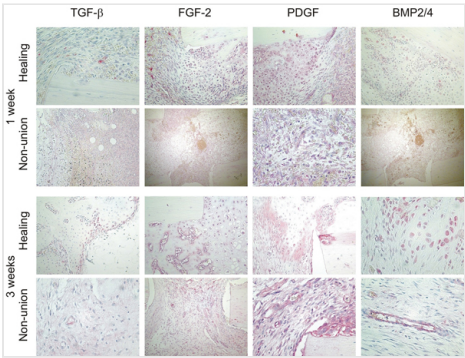
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Mouse                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                          | Monoclonal                                                                                                                                                                                                                                                                                                                                                    |
| Isotype                                            | IgG1                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                       | TB21                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format                                        | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                                             |
| Concentration                                      | IgG concentration 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                   |
| Sequence Length                                    | 390                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-TGF BETA antibody | IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                             |
| Perservative Stabilisers                           | 0.09% Sodium Azide<br>Preparation                                                                                                                                                                                                                                                                                                                             |
| Histology Positive Control Tissue                  | Human Breast Carcinoma<br>Buffer Solution                                                                                                                                                                                                                                                                                                                     |
| Target Species                                     | Human                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                            | Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 6 months from date of despatch. |

IMAGES



**Application Data**  
Staining of human brain showing labelling of neurons with Mouse anti Human TGFbeta



**Application Data**  
Published customer imageGrowth factor expression in healing and non-union groups. Immunohistochemical analysis of TGF-beta, FGF-b, PDGF and BMP2/4 in healing and non-union groups at 1 and 3 weeks post-osteotomy. Images taken at x20 or x40 magnification and positive growth factor staining is seen as a red signal.From: Geris L, Reed AAC, Vander Sloten J, Simpson AHRW, Van Oosterwyck H (2010) Occurrence and Treatment of Bone Atrophic Non-Unions Investigated by an Integrative Approach. PLoS Comput Biol 6(9): e1000915.

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TGF BETA antibody | Mouse anti Human TGF beta antibody, clone TB21 recognizes both human platelet-derived and recombinant TGF-beta1 in enzyme-linked immunosorbent assay (ELISA). Mouse anti Human TGF beta antibody, clone TB21 demonstrates neutralising activity against TGF-beta1 in cell proliferation assays. Mouse anti Human TGF beta antibody, clone TB21 has been demonstrated to react with dimeric (25kD) or monomeric (12.5kD) molecules of natural TGF-beta1 under non-reducing and reducing conditions respectively. |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 63025222                                                                                                            |
| NCBI GeneID                      | 7040                                                                                                                |
| NCBI Accession #                 | NP_000651.3                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_000660.5                                                                                                         |
| UniProt Accession #              | P01137; Q9UCG4; A8K792                                                                                              |
| Molecular Weight                 | 44,341 Da                                                                                                           |
| NCBI Official Full Name          | transforming growth factor beta-1                                                                                   |
| NCBI Official Synonym Full Names | transforming growth factor, beta 1                                                                                  |
| NCBI Official Symbol             | TGFB1                                                                                                               |
| NCBI Official Synonym Symbols    | CED; LAP; DPD1; TGFB; TGFbeta                                                                                       |
| NCBI Protein Information         | transforming growth factor beta-1; TGF-beta-1; latency-associated peptide; prepro-transforming growth factor beta-1 |
| UniProt Protein Name             | Transforming growth factor beta-1                                                                                   |
| UniProt Gene Name                | TGFB1                                                                                                               |
| UniProt Synonym Gene Names       | TGFB; TGF-beta-1; LAP                                                                                               |
| UniProt Entry Name               | TGFB1_HUMAN                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

