Datasheet: MCA797

**Description:** MOUSE ANTI HUMAN TGF BETA

**Specificity:** TGF BETA

**Other names:** TRANSFORMING GROWTH FACTOR BETA

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** TB21

**Isotype:** IgG1

**Quantity:** 0.1 mg

### Product Details

**RRID** AB_2201912

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<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Immunohistology - Frozen</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) **Membrane permeabilisation is required for this application.** Bio-Rad recommends the use of Leucoperm™ (Product Code BUF09) for this purpose.

(2) **Mouse anti Human TGF β antibody, clone TB21 has been used successfully on FFPE tissues without pretreatment e.g. Bob et al. and Booth et al. Others have used either citrate pH6.0, EDTA pH8.0 or pepsin mediated antigen retrieval.**

**Target Species** Human

**Species Cross Reactivity** Reacts with: Rat, Sheep, Mustelid, Mink, Rabbit, Mouse

**N.B. Antibody reactivity and working conditions may vary between species.**

**Product Form** Purified IgG - liquid

**Preparation** Purified IgG prepared by affinity chromatography

**Buffer Solution** Phosphate buffered saline
Preservative
Stabilisers
0.09% Sodium Azide

Approx. Protein
Concentrations
IgG concentration 1.0 mg/ml

Immunogen
Human Transforming Growth Factor Beta 1 from platelets.

External Database
Links
UniProt: P01137 Related reagents
Entrez Gene: 7040 TGFB1 Related reagents

Synonyms
TGFB

Fusion Partners
Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0-Ag 14 mouse myeloma cell line.

Specificity
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 (~25 kDa) or monomeric (~12.5 kDa) molecules of natural TGF-beta1 under non-reducing and reducing conditions respectively.

Flow Cytometry
Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul

Histology Positive
Control Tissue
Human Breast Carcinoma

References

### Storage

Store at +4°C or at -20°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.

### Guarantee

6 months from date of despatch

### Health And Safety Information

Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR7...) [Alk. Phos., HRP]
- Goat Anti Mouse IgG (STAR77...) [HRP]
- Rabbit Anti Mouse IgG (STAR12...) [RPE]
- Rabbit Anti Mouse IgG (STAR8...) [DyLight®800]
- Rabbit Anti Mouse IgG (STAR13...) [HRP]
- Goat Anti Mouse IgG (STAR76...) [RPE]
- Goat Anti Mouse IgG (STAR70...) [FITC]
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC, HRP]
- Rabbit Anti Mouse IgG (STAR9...) [FITC]
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP]

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)