RayBiotech, Inc.
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Certificate of Analysis and Data Sheet

Mouse Anti-Human TGF beta

With HRP-conjugated Secondary Antibody

Catalog No.	Target Species	Isotype
DS-MB-03422	Human	IgG1

Preparation

Purified IgG prepared by affinity chromatography
Synonyms: TGFB
Immunogen: Human Transforming Growth Factor Beta 1 from platelets
Fusion Partners: Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0-Ag 14 mouse myeloma cell line.

Formulation

Product Form: Purified IgG - liquid
Product Type: Monoclonal Antibody
Buffer Solution: Phosphate buffered saline
Preservative Stabilizers: 0.09% Sodium Azide
Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Specificity

DS-MB-03422 recognizes both human platelet-derived and recombinant TGF-beta1 in enzyme-linked immunosorbent assay (ELISA). DS-MB-03422 demonstrates neutralizing activity against TGF-beta1 in cell proliferation assays. Removal of sodium azide is recommended prior to use in functional assays. DS-MB-03422 has been demonstrated to react with dimeric (25kD) or monomeric (12.5kD) molecules of natural TGF-beta1 under non-reducing and reducing conditions respectively.
Species Cross Reactivity Reacts with: Rat, Sheep, Mustelid
N.B. Antibody reactivity and working conditions may vary between species.

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.
Shelf Life: 6 months from date of dispatch.

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Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry(1)	•			
Immunohistology - Frozen	•			
Immunohistology - Paraffin(2)	•			
Immunohistology - Resin			•	
Western Blotting			•	

Note: Other applications have not been tested. Optimal dilutions should be determined.
(1) Membrane permeabilization is required for this application.
(2) This product does not require protein digestion pre-treatment of paraffin sections. Paraformaldehyde fixation recommended. Histology Positive Control Tissue: Human Breast Carcinoma

Secondary Antibody Applications

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Reference

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