



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human TIMP-2

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03425

Species
Human

Isotype
IgG1

Preparation

Immunogen: Human TIMP-2

Preparation: Purified IgG prepared by affinity chromatography

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the P3X63Ag8.653 myeloma cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative & Stabilizers: 0.05% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Specificity

This product recognizes the human tissue matrix metalloproteinase inhibitor TIMP-2.

Histology Positive Control Tissue: Placenta

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: 18 months from date of dispatch

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			▪	
Western Blot			▪	
Flow Cytometry			▪	
Immunohistology – Frozen	▪			1:100 - 1:200

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Secondary Antibody Applications

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

Reference

1. Hurskainen, T. *et al.* (1996) mRNA expressions of TIMP-1, -2 and -3 and 92-kD type IV collagenase in early human placenta and decidual membrane as studied by in situ hybridization. J. Histochem. Cytochem. 44 (12): 1379-88.
2. Hurskainen, T. *et al.* (1996) Expression of the tissue metalloproteinase inhibitors TIMP-1 and TIMP-2 in malignant fibrous histiocytomas and dermatofibromas as studied by in situ hybridization and immunohistochemistry. Hum. Pathol 27(1): 42-9.

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