



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti Human Cathepsin B

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-00202

Target Species
Human

Isotype
IgG2b

Synonyms

CPSB, CTSB

Preparation

Immunogen: Recombinant human cathepsin B

Fusion Partners: Spleen cells from immunized mice were fused with cells of the p3-NSI-Ag4-1 myeloma cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Tissue Culture Supernatant – lyophilized

Reconstitution: Reconstitute with 1 ml distilled water

Preservative Stabilizers: 0.09% Sodium Azide

Specificity

DS-MB-00202 is specific for Cathepsin B, a lysosomal protease expressed in a wide range of tissues, including liver, skeletal muscle and heart.

Cathepsin B plays a role in protein degradation and has also been shown to activate urokinase type plasminogen activator (uPA) and certain matrix metalloproteinases (MMPs).

Storage

Prior to reconstitution store at +4°C. After reconstitution store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein.

This product should be stored undiluted.

Shelf Life: 12 months from date of shipment

**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 Blotting		•		
IHC – Paraffin (1,2)	•			1/40 - 1/80
IHC – Frozen		•		
Flow Cytometry			•	

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

(1) This product does not require protein digestion pre-treatment of paraffin embedded sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

(2) Histology Positive Control: Skin

Secondary Antibody Applications

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

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