



Monoclonal **Biotinylated Anti-human Pro-Cathepsin B Antibody**

ORDERING INFORMATION

Catalog Number: BAM21761

Clone: 155709

Lot Number: CBTF01

Size: 250 µg

Formulation: 0.2 µm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Pro-Cathepsin B

Immunogen: NS0-derived rhPro-Cathepsin B

Ig class: mouse IgG₁

Recommended Application:
ELISA detection

Background

Pro-Cathepsin B is a cysteine protease that is known to process a number of proteins. It is up-regulated or redistributed in human and animal tumors.

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, NS0-derived, recombinant human Pro-Cathepsin B (rhPro-Cathepsin B; aa 18 - 339; Accession # P07858). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography and then biotinylated.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 50 µg bovine serum albumin (BSA) per 1 µg antibody.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 500 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody was selected for its ability to detect human Pro-Cathepsin B in sandwich ELISAs.

Application

ELISA detection - This biotinylated antibody can be used as a detection reagent in a human Cathepsin B sandwich immunoassay in combination with the human Pro-Cathepsin B capture reagent (Cat. # MAB2176) and recombinant human Pro-Cathepsin B (Cat. # 953-CY) as the standard. The suggested concentration range for this detection reagent is 0.5 - 2 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/MAPELISA.

Optimal dilutions should be determined by each laboratory for each application.

 **フナコシ株式会社**

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