



ORDERING INFORMATION

Catalog Number: AF1174

Lot Number: HBN01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Cathepsin O

Immunogen: NS0-derived rhCathepsin O

Ig Type: human Cathepsin O specific
goat IgG

Applications: Direct ELISA
Western blot
Immunoprecipitation
Immunohistochemistry

Anti-human Cathepsin O Antibody

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Cathepsin O (rhCathepsin O). Human Cathepsin O specific IgG was purified by human Cathepsin O affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/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 recognize human Cathepsin O in direct ELISAs and western blots.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Cathepsin O. The detection limit for rhCathepsin O is approximately 0.5 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Cathepsin O. The detection limit for rhCathepsin O is approximately 20 ng/lane under both non-reducing and reducing conditions. In this format, this antibody shows less than 2% cross-reactivity with rhCathepsin A, B, C, D, L and Z.

Immunoprecipitation - This antibody has been tested at 25 µg/mL to immunoprecipitate rhCathepsin O from conditioned media of cell culture.

Immunohistochemistry - This antibody will detect Cathepsin O in cells and tissues. The working dilution is 5 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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

Dear Researcher,

Thank you for purchasing an antibody from R&D Systems. **If you are not the end user, please provide the end user with a copy of this letter.**

We strive to continually improve the technical information available to you for each of our products. To assist us in this effort, we would greatly appreciate your input. Please let us know in which application(s) you have used, or intend to use, the antibody by placing the catalog number of the antibody in the top row of boxes and checking the relevant application boxes below each catalog number. See the sample below for an example. Please return this page to R&D Systems at **fax number (612) 379-6580**.

Catalog Number of Antibody(ies) Purchased				
ELISA - Sandwich				
Flow Cytometry				
Immunocytochemistry				
Immunohistochemistry				
Neutralization				
Western Blot				
Other (please specify)				

Sample

Catalog Number of Antibody(ies) Purchased	AF-292-NA	MAB301		
ELISA - Sandwich	√	√		
Flow Cytometry		√		
Immunocytochemistry		√		
Immunohistochemistry				
Neutralization	√	√		
Western Blot	√	√		
Other (please specify)	IP			

Name _____

Institute _____

Department _____

Address _____

City, State, Zip Code _____

E-mail address _____

Thank you in advance for taking the time to fill out this form and return it to us so that we may continue to provide superior service to all of our customers.

Best regards,



Shawn Larson
Product Marketing Specialist
ShawnL@RnDSystems.com