

Monoclonal Mouse Antibody to Human Cathepsin D

Description:

Immunogen:	Cathepsin D purified from human spleen.
Clone:	C5.
Isotype:	IgG _{2b} .
Format:	This antibody is supplied as tissue culture supernatant containing sodium azide as preservative.
Specificity:	Cathepsin D is an estrogen regulated lysosomal protease that has been suggested to facilitate cancer cell migration and invasion by digesting the basement membrane, extracellular matrix, and connective tissue. Thus, it has been predicted to be a factor in many types of tumors, especially breast cancer. Cathepsin D is expressed in epithelial cells and macrophages.
Titer/Working Dilution:	This antibody may be used at a dilution of 1:20-1:30 in immunohistochemistry application. However, depending on the staining conditions optimal dilution should be determined by the individual user.

Uses/Limitations: Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage: 2-8° Centigrade.

Procedure: We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. This antibody is suitable for frozen and formalin fixed paraffin/embedded sections. Antigen retrieval is mandatory with formalin fixed tissue in 10mM citrate buffer, pH 6.0 (Cat# CTB).

Precautions: Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

1. Gohring et al., Anticancer Research 16(2): 1011-8, 1996.
2. Gohring et al. J of Clinical Path Jan 49(1): 57-64.
3. Holme et al. Virchows Archiv May 428(2): 85-9, 1996.
4. Kristensen et al. Cancer Aug. 78(3): 433-440, 1996.