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## 39-1013: Anti-Cathepsin L Monoclonal Antibody (Clone: 33/2)

Clonality: Monoclonal

Clone Name: 33/2
Application: WB,IHC-F
Reactivity: Human
Gene: CTSL
Gene ID: 1514
Uniprot ID: P07711

**Alternative Name :** Cathepsin L, Major excreted protein, CTSL1

**Isotype:** Mouse IgG1

Immunogen Information: Procathepsin L isolated from the human lung cancer cell line EPLC 32M1.

## **Description**

Cathepsin L is a lysosomal cysteine proteinase with a major role in intracellular protein catabolism. It also shows the most potent collagenolytic and elastinolytic activity in vitro of any of the cathepsins. Cathepsin L has been implicated in pathologic processes including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. Human liver cathepsin L consists of a heavy chain of about 25 kD and a light chain of about 5 kD. The gene is mapped to 9g21-g22. Cathepsin L is required for endothelial progenitor cell-induced neovascularization.

## **Product Info**

Amount :  $100 \mu g/vial$ Purification : Ascites

Content: Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.

Reconstitute: Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Storage condition:

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

Western blot :  $2\tilde{A} \Box \hat{A}^{1}_{4}g/ml$ ; Immunohistochemistry(Frozen Section) :  $4\tilde{A} \Box \hat{A}^{1}_{4}g/ml$