

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	33/2
<b>Application :</b>	WB,IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	CTSL
<b>Gene ID :</b>	1514
<b>Uniprot ID :</b>	P07711
<b>Alternative Name :</b>	Cathepsin L, Major excreted protein, CTSL1
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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 9q21-q22. Cathepsin L is required for endothelial progenitor cell-induced neovascularization.

#### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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 µg/ml; Immunohistochemistry(Frozen Section) : 4 µg/ml