

### 32-5962: Mouse Anti Human Cathepsin L(Clone:P2H7AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P2H7AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	CTSL
<b>Gene ID :</b>	1514
<b>Uniprot ID :</b>	P07711
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Cathepsin L1,EC 3.4.22.15,Major excreted protein,MEP,CTSL1,CTSL,CATL,FLJ31037.
<b>Isotype :</b>	Mouse IgG2b heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human Cathepsin-L mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human Cathepsin-L amino acids 114-333 purified from E. coli.

#### Description

Cathepsins B, C, H, L, S, V, X/Z/P and 1 are cysteine proteases of the papain family. Cathepsin C is also known as DPPI (dipeptidyl-peptidase I). Cathepsin A is a serine carboxypeptidase and Cathepsin D and E are aspartic proteases. As lysosomal proteases, cathepsins play an important role in protein degradation. Because of their redistribution or increased levels in human and animal tumors, cathepsins may have a role in invasion and metastasis. Cathepsins are synthesized as inactive proenzymes and processed to become mature and active enzymes. Endogenous protein inhibitors, such as cystatins and some serpins, inhibit active enzymes.

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Cathepsin-L antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

Cathepsin-L antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~2,000. Recommended starting dilution is 1:1,000.