



Mouse monoclonal antibody to human Cathepsin L (265-271) [CP-L14]: IgG

Catalogue No.:	M-971-100
Description:	Cathepsin L is a cystein protease. It is important for the overall degradation of proteins in lysosomes. Cathepsin L substrates include collagen, elastin and alpha 1 protease inhibitor. The protein is initially expressed as procathepsin L (42 kDa) and is proteolytically processed into 30 kDa and 21 kDa forms. This antibody recognises both precursor and mature forms.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Procathepsin L isolated from human lung cancer cell line EPLC32M1. The epitope is within the sequence GYGFEST (265-271 in procathepsin L and 169-175 in the mature cathepsin L molecule).
Clone:	CP-L14
Other Names:	MEP; CTSL; CTSL1;
Accession:	P07711 CATL1_HUMAN
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 2.0 ug/mL is recommended for WB. A concentration of 4.0 ug/mL is recommended to detect cathepsin L in formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; mouse; rat;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

FOR RESEARCH USE ONLY