

Anti-Cathepsin L [4C11]

Catalogue number: 152642

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: A*STAR Accelerate Technologies Pte Ltd

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Cathepsin L [4C11]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Cathepsin L is expressed in most cells but in a higher level in cancerous cells. Normal levels of cathepsin L is involved in the regulation of epithelial cell proliferation and differentiation in the skin. It is recognized that many cancer cells secrete cathepsin L to degrade the components of extracellular matrices and basement membranes. This promotes tumor invasion and metastasis. The pro-form of cathepsin L exists as a molecular size of 50kDa. The pro-form could be degraded and secreted out as two smaller forms of cathepsin L. These smaller forms are known as the mature forms. The pro-forms and mature forms are secreted out of the healthy cells. However, there is a significant increase in levels of pro-forms that are secreted out of the cancerous cells. Monoclonal antibodies generated against pro-form of cathepsin L would be useful for diagnostic purposes.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgM

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: GST-HCL fusion protein

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Human brain cell lysates, U-138MG cell line

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Cathepsin L, HCL

Target alternate names:

Target background: Cathepsin L is expressed in most cells but in a higher level in cancerous cells. Normal levels of cathepsin L is involved in the regulation of epithelial cell proliferation and differentiation in the skin. It is recognized that many cancer cells secrete cathepsin L to degrade the components of extracellular matrices and basement membranes. This promotes tumor invasion and metastasis. The pro-form of cathepsin L exists as a molecular size of 50kDa. The pro-form could be degraded and secreted out as two smaller forms of cathepsin L. These smaller forms are known as the mature forms. The pro-forms and mature forms are secreted out of the healthy cells. However, there is a significant increase in levels of pro-forms that are secreted out of the cancerous cells. Monoclonal antibodies generated against pro-form of cathepsin L would be useful for diagnostic purposes.

Molecular weight:

Ic50:

Applications

Application: IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions:

-15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org