Cystatin A Antibody

Mouse Monoclonal Antibody [Clone CSTA/3553]

Catalog No	Format	Size
1475-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1475-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1475-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

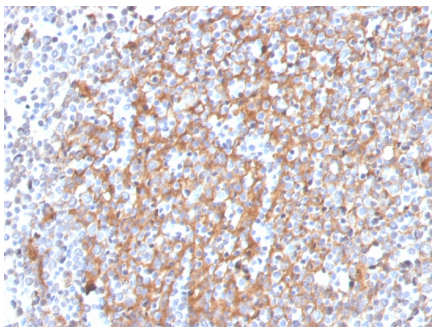
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

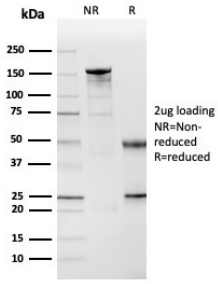
Clone	CSTA/3553
Gene Name	CSTA
Immunogen	Recombinant fragment of human CSTA protein (around aa 1-98) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	11kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	A-431, THP-1 cells. Human tonsil or prostate tissue (IHC).

**Optimal dilution for a specific application should be determined.*

Product Images for Cystatin A Antibody

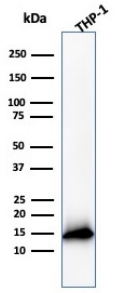


Formalin-fixed, paraffin-embedded human Prostate stained with Cystatin A Mouse Monoclonal Antibody (CSTA/3553).

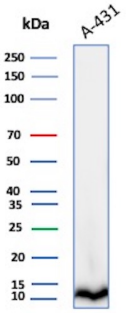


SDS-PAGE Analysis of Purified Cystatin A Mouse Monoclonal Antibody (CSTA/3553). Confirmation of Purity and Integrity of Antibody.

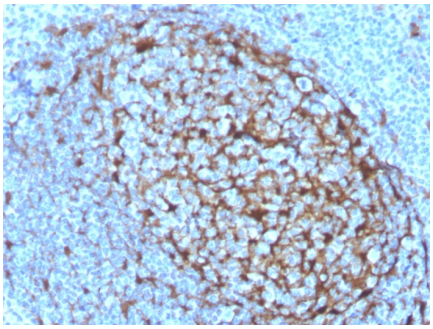
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Cystatin A Mouse Monoclonal Antibody (CSTA/3553). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of THP-1 cells using Cystatin A Mouse Monoclonal Antibody (CSTA/3553).



Western Blot Analysis of A-431 cells using Cystatin A Mouse Monoclonal Antibody (CSTA/3553).



Formalin-fixed, paraffin-embedded human Tonsil stained with Cystatin A Mouse Monoclonal Antibody (CSTA/3553).

Specificity & Comments

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins, and kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Developmental Biology, Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.