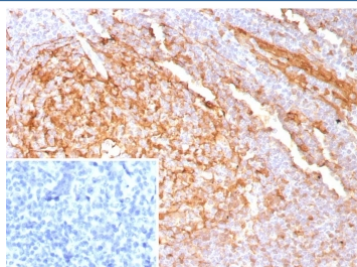


Recombinant Cystatin A Antibody / CSTA [clone CSTA/9087R] (V5393)

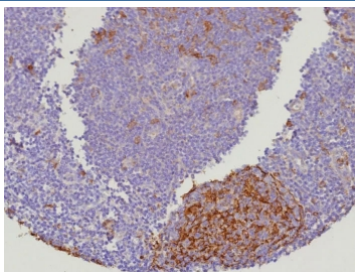
Catalog No.	Formulation	Size
V5393-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5393-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5393SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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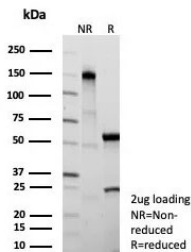
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CSTA/9087R
Purity	Protein A/G affinity
UniProt	P01040
Localization	Cell Surface, Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant Cystatin A antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with recombinant Cystatin A antibody (clone CSTA/9087R). Inset: PBS used in place of primary Ab (secondary Ab negative control).
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymph node tissue with recombinant Cystatin A antibody (clone CSTA/9087R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Cystatin A antibody (clone CSTA/9087R) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant Cystatin A antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human CSTA protein (within amino acids 1-98) was used as the immunogen for the recombinant Cystatin A antibody.

Storage

Aliquot the recombinant Cystatin A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.