

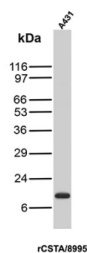
CSTA Antibody / Cystatin A [clone rCSTA/8995] (V4984)

Catalog No.	Formulation	Size
V4984-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4984-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4984SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

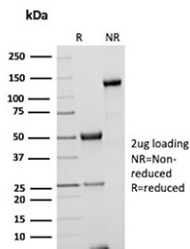
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rCSTA/8995
Purity	Protein A/G affinity
UniProt	P01040
Localization	Cell Surface, Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This CSTA antibody is available for research use only.



CSTA Antibody A431 WB. Western blot analysis of Cystatin A / CSTA in human A431 cell lysate using recombinant rabbit monoclonal CSTA antibody, clone rCSTA/8995. A band is detected at approximately 11 kDa, consistent with the predicted molecular weight of CSTA, supporting detection of this intracellular cysteine protease inhibitor in epithelial-derived cells.



SDS-PAGE analysis of purified, BSA-free CSTA antibody (clone rCSTA/8995) 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.

For a reference Cystatin A antibody with validated specificity and consistent detection across applications, see [clone CSTA/3553](#).

Application Notes

Optimal dilution of the CSTA antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human protein (around aa 1-98) was used as the immunogen for the CSTA antibody.

Storage

Aliquot the CSTA antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.