Cystatin A/CSTA Monoclonal Antibody

catalog number: **AN200177P**

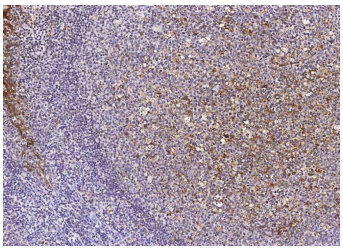
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

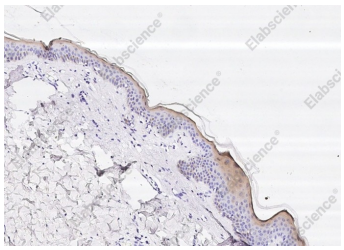
Reactivity	Human
Immunogen	Recombinant Human Cystatin A/CSTA protein
Host	Mouse
Isotype	Mouse IgG1
Clone	A1029
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
IHC-P	1:50-1:200

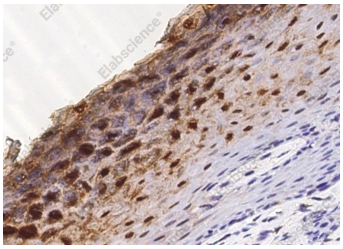
Data



Immunohistochemistry of paraffin-embedded human tonsil using Cystatin A/CSTA Monoclonal Antibody at dilution of 1:60.



Immunohistochemistry of paraffin-embedded human skin using Cystatin A/CSTA Monoclonal Antibody at dilution of 1:60.



Immunohistochemistry of paraffin-embedded human malignant melanoma using Cystatin A/CSTA Monoclonal Antibody at dilution of 1:60.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

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.