

# Anti-Cystatin S / CST4 antibody



Catalog Number: 104013

## Product name

Anti-Cystatin S / CST4 antibody

## Immunogen

[Human Cystatin S / CST4 \(His Tag\) recombinant protein](#)

## Specificity

Human Cystatin S / CST4

## Antibody description

Rabbit monoclonal to Cystatin S / CST4

## Preparation

This antibody was obtained from a rabbit immunized with purified, recombinant Human Cystatin S / CST4 (rh Cystatin S / CST4; NP\_001890.1; Met 1-Ala 141).

## Formulation

0.2  $\mu$ m filtered solution in PBS with 5% trehalose

## 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.

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

## Clonality

Monoclonal

## Ig Type

Rabbit IgG

## Applications

ELISA, FCM, IF, ICC/IF

## Dilutions

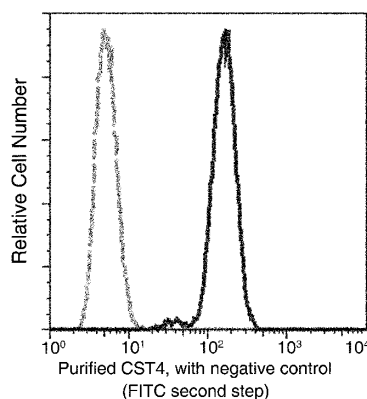
ELISA: 0.1-0.2  $\mu$ g/mL

This antibody can be used at 0.1-0.2  $\mu$ g/mL with the appropriate secondary reagents to detect Human CST4. The detection limit for Human CST4 is approximately 0.195 ng/well.

FCM: 0.5-2  $\mu$ g/Test

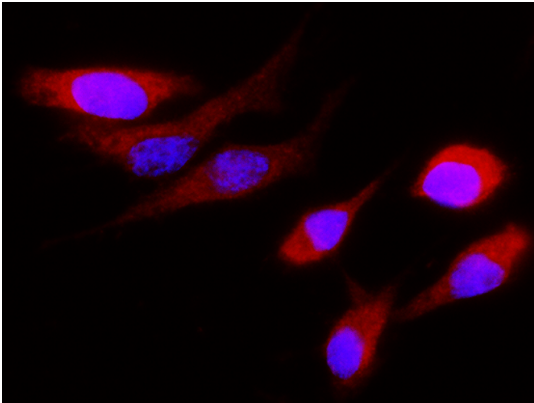
ICC/IF: 10-25  $\mu$ g/mL

## Validations



Cystatin S / CST4 Antibody, Rabbit MAb

Flow cytometric analysis of Human CST4 expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), stained with purified anti-Human CST4, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Cystatin S / CST4 Antibody, Rabbit MAb,

## Immunofluorescence

Immunofluorescence staining of Human CST4 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human CST4 monoclonal antibody (15  $\mu\text{g/ml}$ ) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 594-conjugated goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.