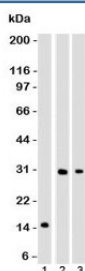


## CELA3B Antibody [clone ELTS3B-1] (V7077)

| Catalog No.    | Formulation                                                                | Size   |
|----------------|----------------------------------------------------------------------------|--------|
| V7077-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7077-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug  |
| V7077SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                             | 100 ug |

[Bulk quote request](#)

|                           |                                                          |
|---------------------------|----------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                        |
| <b>Species Reactivity</b> | Human. Other species not known.                          |
| <b>Format</b>             | Purified                                                 |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                |
| <b>Isotype</b>            | Mouse IgG1, kappa                                        |
| <b>Clone Name</b>         | ELTS3B-1                                                 |
| <b>Purity</b>             | Protein G affinity chromatography                        |
| <b>UniProt</b>            | P08861                                                   |
| <b>Localization</b>       | Cytoplasmic                                              |
| <b>Applications</b>       | Western Blot : 1-2ug/ml                                  |
| <b>Limitations</b>        | This CELA3B antibody is available for research use only. |



Western blot of 1) partial recombinant protein, 2) Panc-28 and 3) PANC1 cell lysate using CELA3B antibody (ELTS3B-1). Predicted molecular weight ~29 kDa.

## Description

Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six genes which encode the structurally similar proteins: Elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, 3B has

little elastolytic activity. Like most of the human elastases, 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein; it has a digestive function in the intestine. Elastase 3B preferentially cleaves proteins after alanine residues. It may also function in the intestinal transport and metabolism of cholesterol. Elastases 3A/B have been referred to as Protease E and as Elastase 1, and excretion of this protein in fecal material is frequently used as a measure of pancreatic function in clinical assays.

## **Application Notes**

Optimal dilution of the CELA3B antibody should be determined by the researcher.

## **Immunogen**

A partial recombinant protein (aa 82-238) was used as the immunogen for the CELA3B antibody.

## **Storage**

Store the CELA3B antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).