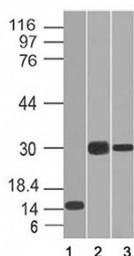


CELA3B Antibody [clone CELA3B/1218] (V2504)

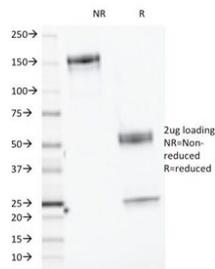
| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V2504-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2504-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2504SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

[Bulk quote request](#)

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | CELA3B/1218 |
| Purity | Protein G affinity chromatography |
| UniProt | P08861 |
| Localization | Cytoplasmic |
| Applications | ELISA : 2-4ug/ml (order BSA/azide-free format) Western Blot : 0.5-1ug/ml |
| Limitations | 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 (CELA3B/1218). Predicted molecular weight ~29 kDa.



SDS-PAGE Analysis of Purified, BSA-Free CELA3B Antibody (clone CELA3B/1218). Confirmation of Integrity and Purity of the Antibody.

Description

This mAb recognizes a protein of ~30kDa, identified as CELA3B (Chymotrypsin like elastase family member 3B), or Elastase 3B. 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).