

Product datasheet

Anti-Trypsin antibody [10-104.1] ab41182

Overview

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|----------------------------|--|
| Product name | Anti-Trypsin antibody [10-104.1] |
| Description | Mouse monoclonal [10-104.1] to Trypsin |
| Host species | Mouse |
| Specificity | ab41182 specifically recognizes pancreatic trypsin. It does not crossreact with pancreatic chymotrypsin. |
| Tested applications | Suitable for: ELISA |
| Species reactivity | Reacts with: Human |
| Immunogen | Full length native protein: Purified human pancreatic trypsin. |
| General notes | Abcam is committed to meeting high standards of ethical manufacturing and as such, we will be discontinuing this product, which has been generated by the ascites method, within the next year. We are sorry for any inconvenience this may cause. If you would like help finding an alternative product, please do not hesitate to contact our scientific support team. |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservative: None Constituents: PBS, pH 7.4 |
| Purity | Protein G purified |
| Clonality | Monoclonal |
| Clone number | 10-104.1 |
| Isotype | IgG2b |

Applications

Our [Abpromise guarantee](#) covers the use of **ab41182** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|----------|
| ELISA | | 1/12800. |

Target

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|---|--|
| Function | Has activity against the synthetic substrates Boc-Phe-Ser-Arg-Mec, Boc-Leu-Thr-Arg-Mec, Boc-Gln-Ala-Arg-Mec and Boc-Val-Pro-Arg-Mec. The single-chain form is more active than the two-chain form against all of these substrates. |
| Involvement in disease | Defects in PRSS1 are a cause of hereditary pancreatitis (HPC) [MIM:167800]; also known as chronic pancreatitis (CP). HPC is an autosomal dominant disease characterized by the presence of calculi in pancreatic ducts. It causes severe abdominal pain attacks. |
| Sequence similarities | Belongs to the peptidase S1 family. Contains 1 peptidase S1 domain. |
| Post-translational modifications | Occurs in a single-chain form and a two-chain form, produced by proteolytic cleavage after Arg-122. |
| Cellular localization | Secreted > extracellular space. |

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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