abcam

Product datasheet

Anti-Mast Cell Tryptase antibody [TPSAB1/1961] - BSA and Azide free ab237924

2 Images

Overview

Product name	Anti-Mast Cell Tryptase antibody [TPSAB1/1961] - BSA and Azide free
Description	Mouse monoclonal [TPSAB1/1961] to Mast Cell Tryptase - BSA and Azide free
Host species	Mouse
Tested applications	**Suitable for:** IHC-P, Protein Array
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment within Human Mast Cell Tryptase aa 115-233. The exact sequence is proprietary. Database link: **Q15661**
Positive control	IHC-P: Human tonsil tissue.
General notes	ab237924 is the carrier-free version of **ab238072**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A/G purified
Purification notes	Purified from biorector concentrate.
Clonality	Monoclonal
Clone number	TPSAB1/1961
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab237924 in the following tested applications.

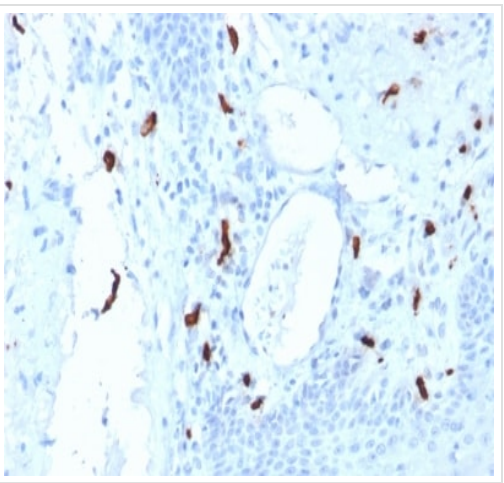
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Primary incubation for 30 minutes at room temperature. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 minutes followed by cooling at RT for 20 minutes.
Protein Array		Use at an assay dependent concentration.

Target

Relevance	Mast cells contain a number of preformed chemical mediators such as histamine, chymase, carboxypeptidase and proteolytic tryptase. Human Mast Cell Tryptase is considered to be an important marker of mast cell activation as well as an important mediator of inflammation.
Cellular localization	Secreted. Note: released from the secretory granules upon mast cell activation.

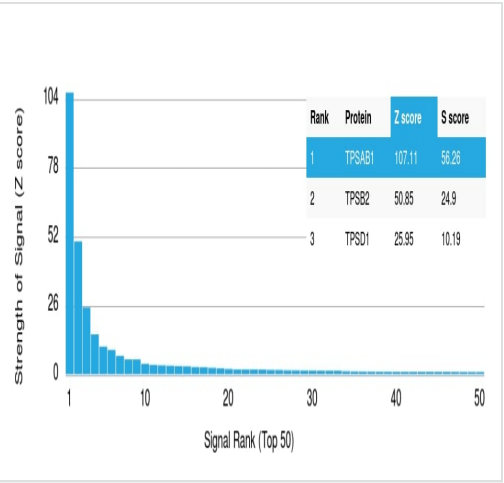
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mast Cell Tryptase antibody [TPSAB1/1961] - BSA and Azide free (ab237924)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for Mast Cell Tryptase using **ab238072** at 2 µg/ml in immunohistochemical analysis.

This data was produced with **ab238072**, the same antibody in a different formulation with BSA and Azide.



Protein Array - Anti-Mast Cell Tryptase antibody (ab237924)

This data was produced with **ab238072**, the same antibody in a different formulation with BSA and Azide.

ab238072 was tested in protein array against over 19000 different full-length human proteins.

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target.

A MAb is specific to its intended target if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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