


## Product datasheet

### Anti-Mast Cell Tryptase antibody [EPR9522] ab151757

Recombinant RabMAb

★★★★☆ **4 Abreviews** **11 References** [4 Images](#)

#### Overview

<b>Product name</b>	Anti-Mast Cell Tryptase antibody [EPR9522]
<b>Description</b>	Rabbit monoclonal [EPR9522] to Mast Cell Tryptase
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Mast Cell Tryptase aa 1-300.
<b>Positive control</b>	Human skin, colon cancer or tonsil lysate, Human colon tissue. IP: Human skin lysate.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9522
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab151757 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
WB		1/1000 - 1/10000. Predicted molecular weight: 30 kDa.
IHC-P	★★★★★ (4)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		1/50.

## Target

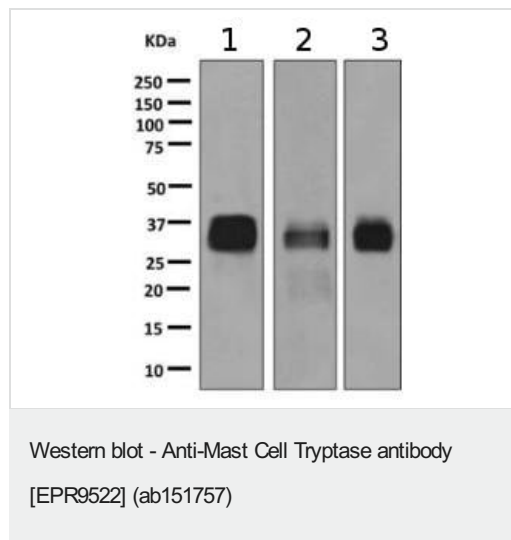
### Relevance

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



**All lanes** : Anti-Mast Cell Tryptase antibody [EPR9522]  
(ab151757) at 1/1000 dilution

**Lane 1** : Human skin lysate

**Lane 2** : Human colon cancer lysate

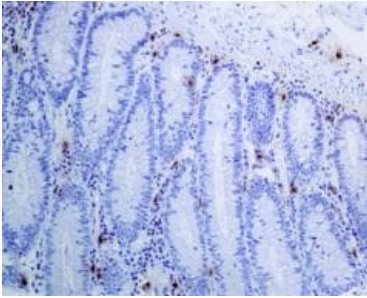
**Lane 3** : Human tonsil lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

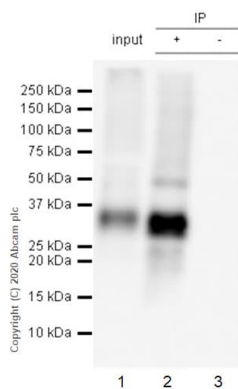
**Predicted band size:** 30 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mast Cell Tryptase antibody [EPR9522] (ab151757)

Immunohistochemical analysis of paraffin embedded Human tissue labeling Mast Cell Tryptase with ab151757 at a 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-Mast Cell Tryptase antibody [EPR9522] (ab151757)

Purified ab151757 at 1/50 dilution (2µg) immunoprecipitating Mast Cell Tryptase in Human skin lysate.

Lane 1 (input): Human skin lysate 10µg

Lane 2 (+): ab151757 + Human skin lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab151757 in Human skin lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM/TBST.

Observed band size: 30 kDa

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Mast Cell Tryptase antibody [EPR9522]  
(ab151757)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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