

Mast cell tryptase (AB1557) mouse mAb

V0092

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 30 kDa (calculated)
- 30 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1557

Immunogen A synthetic peptide corresponding to the amino acid region 200 - 275 of the human Mast cell tryptase protein.

Specificity The antibody can specifically recognize human Mast cell tryptase protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name TPSAB1

Protein Name Mast cell tryptase

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q15661	7177

Background Mast cell tryptase is the main neutral protease secreted by mast cells. It is the main component of mast cell secretory granules. It is the most abundant protein in mast cells, accounting for more than 50% of the total protein of mast cell secretory granules. It is widely distributed in respiratory tract, gastrointestinal tract, skin and other tissues. It plays an important role in the pathological process of inflammatory diseases such as cell infection and injury, especially bronchoconstrictive asthma. It is used in the study of respiratory and gastrointestinal diseases.