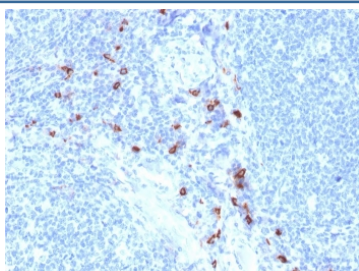


Mast Cell Tryptase Antibody / TPSAB1 [clone TPSAB1/1963] (V8138)

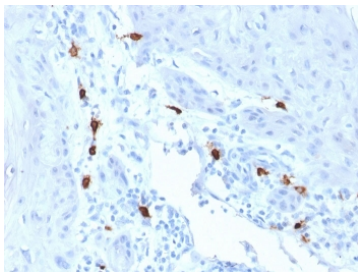
Catalog No.	Formulation	Size
V8138-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8138-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8138SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

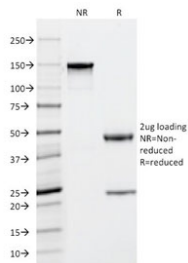
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	TPSAB1/1963
Purity	Protein G affinity chromatography
UniProt	Q15661
Localization	Cytoplasmic, secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Mast Cell Tryptase antibody is available for research use only.



IHC staining of FFPE human tonsil with Mast Cell Tryptase antibody (clone TPSAB1/1963). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human skin with Mast Cell Tryptase antibody (clone TPSAB1/1963). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Mast Cell Tryptase antibody (clone TPSAB1/1963) as confirmation of integrity and purity.

Description

Tryptases comprise a family of trypsin-like serine proteases (peptidase family S1). Tryptases are stored in mast cell secretory granules and basophils. Mast cells are connective tissue cells derived from blood-forming tissues that line arterial walls and secrete substances, which mediate inflammatory and immune responses. Tryptases are released into the extracellular environment and are resistant to all known endogenous proteinase inhibitors. This antibody reacts with mast cells distributed in skin, synovium, lung, and heart. This antibody does not bind with any other cell type. Human mast cell tryptase is considered to be an important marker of mast cell activation and is an important mediator of inflammation. Mastocytosis is a term collectively used for a group of disorders in which there is abnormal accumulation of mast cells in one or multiple organs. Anti-tryptase, combined with anti-CD2, anti-CD25, and anti-CD117, can be useful in identifying reactive mast cell hyperplasia, myelogenous neoplasms, mast cell leukemia, and mastocytosis.

Application Notes

Optimal dilution of the Mast Cell Tryptase antibody should be determined by the researcher.

Immunogen

A portion of amino acids 115-233 from the human protein was used as the immunogen for this TPSAB1 antibody.

Storage

Store the Mast Cell Tryptase antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).