ZETA Corporation

IVD Data Sheet (Rev 122017)

Tryptase (Clone ZM96)
Mouse Monoclonal Antibody

Specificity: Human. Others-not known

**Immunogen:** Recombinant human Tryptase protein fragment (around aa 115-233)

Ig Class: IgG1/κ

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions*: Pretreatment of deperaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution*: 1:100-200; *Positive Control*: Mast cells containing tissue or tumors. *Cellular Localization*: Cytoplasmic. *Intended Use*: In vitro diagnosis (IVD).

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.

Supplied As*: Purified antibody with 0.2% BSA and 15mM sodium azide.
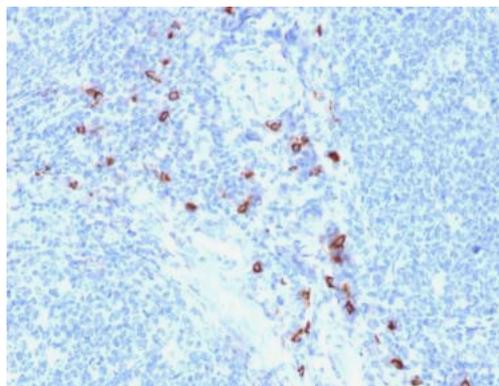
Formalin-fixed, paraffin-embedded human tonsil stained with anti-tryptase antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of mast cells

Cat. #Z2406 (1.0 ml)