

Recombinant

DGRmAb®

**Mast Cell Tryptase (DGR14945) Rabbit mAb**

db15195

Package : 10µL 20µL 50µL 100µL

**Product Name** : Mast Cell Tryptase (DGR14945) Rabbit mAb**Cat.No.:** db15195**Synonyms** : TPS1; TPS2; TPSB1**Application** : IHC-P**Reactivity** : Human**Host species** : Rabbit**Background**

Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. Several tryptase genes are clustered on chromosome 16p13.3. These genes are characterized by several distinct features. They have a highly conserved 3' UTR and contain tandem repeat sequences at the 5' flank and 3' UTR which are thought to play a role in regulation of the mRNA stability. These genes have an intron immediately upstream of the initiator Met codon, which separates the site of transcription initiation from protein coding sequence. This feature is characteristic of tryptases but is unusual in other genes. The alleles of this gene exhibit an unusual amount of sequence variation, such that the alleles were once thought to represent two separate genes, alpha and beta 1. Beta tryptases appear to be the main isoenzymes expressed in mast cells; whereas in basophils, alpha tryptases predominate. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human Mast Cell Tryptase

**Gene ID**

7177

**Swiss Prot**

Q15661

**Synonyms**

TPS1; TPS2; TPSB1

**Reactivity**

Human

**Application**

IHC-P

**Recommended dilution**

IHC-P: 1:200-1:1000

**Calculated MW**

31 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

Clonality No.	DGR14945
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.