

Anti-TPSB2 Antibody (9W294)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9W294
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:1000-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human TPSB2 / Tryptase Beta 2 protein
Antigen Species:	Human
Biology Area:	Serine Proteases and Regulators

Research Background

Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1, and fall into two groups, α and β . β -tryptases appear to be the main isoenzymes expressed in mast cells, whereas α -tryptases predominate in basophils. Tryptase is unique in two respects: it is enzymatically active only as a heparin-stabilized tetramer, and it is resistant to all known endogenous proteinase inhibitors because of the unique arrangement of the active sites. Additionally, tryptase family genes have an intron immediately upstream of the initiator codon which separates the transcription initiation site from protein coding sequence, and this feature is characteristic of tryptases. β -tryptases existing in three isoforms ($\beta_1, \beta_2, \beta_3$) are released in secretory granules, and have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders. It has been reported that β -tryptase selectively cleaves ASM-derived eotaxin and RANTES and abrogates their chemotactic activities.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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