

PRSS1

Mouse Anti-Human Trypsin (Clone 7C8) mAb

Catalog No.	CSI17396B CSI17396C	Quantity:	200 µL 5.0 mL
Alternate Names:	Protease Serine 1, TRP1, TRY1, TRYP1		
Description:	The mouse monoclonal antibody recognizes human Trypsin, a 24 kDa enzyme and a member of the serine proteinase family and is produced in the pancreas as an inactive precursor trypsinogen. The active enzyme is located in the gastrointestinal tract where it degrades proteins to large peptides. Trypsin predominantly cleaves proteins at the carboxyl side of the amino acids lysine and arginine. A common trypsin substrate is chymotrypsinogen which is cleaved to produce active chymotrypsin. High levels of immunoreactive trypsin in the bloodstream can indicate pancreatic malfunction and this indicator is used to screen for and diagnose Cystic Fibrosis.		
Gene ID:	5644		
Concentration:	1.0 mg/mL +/- 15%		
Conjugate:	Unconjugated		
Specificity:	Human Trypsin, Trypsinogen and Trypsin in complex with Alpha-1-Antitrypsin (A1AT).		
Host:	Mouse		
Isotype:	IgG1k		
Immunogen:	Trypsin purified from human pancreatic tissue		
Clone:	7C8		
Cross-Reactivity:	Bovine trypsin		
Formulation:	Liquid in 0.01 M Phosphate buffer, pH 7.4 , 0.5 M sodium chloride, 15 mM sodium Azide		
Purification:	Protein A purified		
Applications:	ELISA, Western Blot (WB)		
Application Notes:	ELISA: antibody works in (1) direct ELISA with human trypsin coated directly on to microtiter plate and in (2) sandwich ELISA, as both capture and detection antibody. WB: Recognizes Human Trypsin under reducing conditions. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store in the dark at 4-8 °C. Light Sensitive		

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