

PRSS1

Mouse Anti-Human Trypsin (Clone 4A7) mAb

Catalog No.	CSI17395	Quantity:	1.0 mg
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. It 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		
UniProt ID:	P07477		
Specificity:	The mouse monoclonal antibody is specific for human trypsin, trypsinogen and trypsin in complex with α_1 -antitrypsin (A1AT).		
Immunogen:	Highly purified native trypsin from human pancreatic tissue		
Host:	Balb/c spleen cells x Sp2/0 myeloma cells		
Isotype:	Mouse IgG		
Clone:	4A7		
Concentration:	Lot specific		
Volume:	Lot specific		
Formulation:	PBS, 0.05% sodium azide		
Purification:	Ion exchange chromatography		
Applications:	ELISA, Western Blot (WB)		
Application Notes:	Recommended as the capture antibody used with detection antibody CSI17394 in a sandwich ELISA.		
Storage & Stability:	Store at 2-8°C for up to 1 year.		

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