
Trypsin (2C4) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250299

Unit: 0.1 mg

Description:

Trypsin is a 24 kDa enzyme of the serine proteinase family. It is produced in the pancreas as an inactive precursor, trypsinogen, but the active enzyme is located in the gastrointestinal tract where it degrades proteins to large peptides. Trypsin prefers lysine and arginine residues. One of the substrates for trypsin 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. This antibody is specific for human trypsin, trypsinogen and trypsin in complex with alpha-1-antitrypsin and reacts weakly with bovine trypsin.

Isotype: Mouse IgG1/k

Applications: E, WB

Species Reactivity: H, B

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Trypsin I; Cationic trypsinogen; Serine protease 1; Beta-trypsin

Accession No.: P07477

Antigen: Trypsin purified from human pancreatic tissue (1)

Application Notes: Product Cat. No. 250299 reacts with human trypsin coated directly in a microplate. Product Cat. No. 250299 is used as detection antibody in sandwich ELISA with Product Cat. No. 250298 as capture antibody. Product Cat. No. 250299 recognizes human trypsin in Western blot under reducing conditions. E: 1:8,000; WB: 1:500

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.