Human Enteropeptidase/Enterokinase Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 190034

Catalog Number: FAB1585G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Enteropeptidase/Enterokinase in direct ELISAs and Western blots. It recognizes all EK forms containing the heavy chain including the single chain precursor and the mature heterodimer consisting of a heavy and light chain. In Wester
Source	Monoclonal Mouse IgG_{2A} Clone # 190034
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Enteropeptidase/Enterokinase Leu41-His1019 Accession # NP_002763
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Enterokinase (EK), also called enteropeptidase and TMPRSS15 (gene name), initiates activation of pancreatic proteases by converting trypsinogen to trypsin, which in turn activates chymotrypsin, carboxypeptidases and elastases. Located in intestinal brush border, it is a disulfide bond-linked dimer of the heavy and light chains, which are derived from the same single-chain precursor. The heavy chain consists of a short cytoplamic tail, a transmembrane, a SEA, a SRCR, a MAM, two CUB and two LDL-receptor class A domains. The light chain contains the catalytic domain of trypsin-like serine proteases.

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