

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Enteropeptidase/Enterokinase in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Enteropeptidase/Enterokinase Leu41-His1019 Accession # P98073
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

EK 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 multidomain-containing the heavy chain consists of a short cytoplasmic 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. The purified recombinant human EK corresponds to the single-chain form starting at the end of the transmembrane domain.

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