

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Kallikrein 15 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) Kallikrein 2, rhKallikrein 8, and rhKLK11 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Kallikrein 15 isoform 1 Asp17-Asn255 Accession # AAI44047
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.
Immunohistochemistry	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

Kallikrein 15, encoded by the KLK15 gene, is a member of the tissue Kallikrein family of Serine proteases. It is a secreted protein found in prostate, colon, thyroid tissues, breast milk and seminal plasma. Whether it has a trypsin-like activity or not remains controversial. Several splice forms exist. The 250 aa rhKLK15 has a 10-His tag at the C-terminus. It predicts a molecular mass of 28 kDa and migrates as a 39 kDa band in SDS-PAGE under reducing conditions. The amino acid sequence of human KLK15 is 99%, 77% and 77% identical to that of chimpanzee, canine and mouse, respectively.

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