

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Kallikrein 15 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) KLK2, rhKLK8, 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Kallikrein 15

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.