

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAM19 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant mouse ADAM19 is observed, and less than 5% cross-reactivity with recombinant human (rh)&nb
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAM19 Arg26-Gln501 (Ser32 del) (Lys33Arg) Accession # Q9H013
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

ADAM19 (a disintegrin and metalloprotease 19; also MADDAM and Meltrin-β) is a 95-100 kDa member of the M12B peptidase family of enzymes. It is expressed on multiple cell types including monocytes, fibroblasts, osteoblasts and dendritic cells. The human ADAM19 proenzyme is a 931 amino acid (aa) type I transmembrane protein. It contains a 178 aa cleavable proregion (aa 26-203) and a 497 aa extracellular domain (ECD) (aa 204-702). The ECD contains a metalloprotease domain (aa 211-409), a disintegrin region (aa 417-503) and a Cys-rich domain (aa 504-650). The ECD circulates in plasma bound to 700 kDa α2-Macroglobulin. One splice variant shows an alternate start site at Met71, while two isoforms show variations after Lys902. Over aa 205-702, human ADAM19 is 87% aa identical to mouse ADAM19.

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