



# **ADAM 32 (ADAM metallopeptidase domain 32, ADAM 32 precursor, A disintegrin and metalloprotease domain 32, A disintegrin and metalloproteinase domain 32, FLJ26299, FLJ29004, UNQ5982/PRO21340)**

## **Catalog number**

A0859-41M

## **Supplier**

United States Biological

ADAM32 (a disintegrin and metalloprotease domain 32) is a 90-100kD member of the M12B peptidase family of proteins. It is expressed on sperm found in the testis, epididymis and vas deferens. The human ADAM32 proprecursor is a 771aa type I transmembrane protein. It contains a 158 aa proregion (aa17-174) and a 508aa extracellular domain (ECD) (aa175-682). The ECD contains a nonfunctional metalloprotease domain (aa186-383), an integrin-binding disintegrin region (aa391-479), a Cys-rich segment (aa480-502) and an EGF-like domain (aa 622-654). In the testis, mature ADAM32 is approximately 98kD in size; in the epididymis, cleavage occurs after the metalloprotease domain to generate a 44kD product. There are two potential splice events that show a deletion of aa306-401 plus a 53aa substitution for the N-terminal 46aa. Over aa17-476, human ADAM32 is 66% aa identical to mouse ADAM32.

## **Applications:**

Suitable for use in ELISA and Western Blot. Other applications not tested.

## **Recommended Dilution**

ELISA: 0.5-1.0ug/ml

Western Blot: 1.0ug/ml

Optimal dilutions to be determined by the researcher.

## **Storage and Stability**

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute with sterile 40-50% glycerol, PBS.. Aliquot and store at -20°C. Reconstituted product is stable for 6 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

## **Immunogen**

CHO cell-derived, recombinant human ADAM32 aa17-476; Q8TC27.

## **Formulation**

Supplied as a lyophilized powder in 0.2um sterile-filtered solution, PBS, 5% trehalose. Reconstitute with 40-50% glycerol, PBS.

## **Purity**

Purified by immunoaffinity chromatography.

## **Specificity**



Recognizes human ADAM32.

**Product Type**

Pab

**Source**

human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

E IP WB

**Crossreactivity**

Hu

**Storage**

-20°C