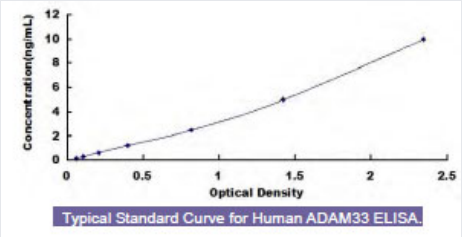
# A Disintegrin and Metalloprotease 33 (ADAM33) ELISA Kit for Human

## PRODUCT OVERVIEW

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| **Product Name** | A Disintegrin And Metalloprotease 33 (ADAM33), ELISA Kit |
| **Full Product Name** | Human A Disintegrin And Metalloprotease 33 (ADAM33) ELISA Kit |
| **Product Gene Name** | ADAM33 elisa kit |
| **Product Synonym Names** | C20orf153 Disintegrin and metalloproteinase domain-containing protein 33 |
| **Species Reactivity** | Human |
| **Assay Type** | Sandwich |
| **Samples** | Tissue homogenates, cell lysates and other biological fluids. |
| **Detection Range** | 0.156-10ng/mL |
| **Sensitivity** | 0.068ng/mL |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of ADAM33. No significant cross-reactivity or interference between ADAM33 and analogues was observed. |
| **Preparation and Storage** | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |
| **Inter-assay Precision** | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADAM33 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADAM33 were tested 20 times on one plate, respectively. Intra-Assay: CV<10% |
| **Molecular Weight** | 32,554 Da |
| **OMIM** | AB055891 mRNA |
| **3D Structure** | ModBase 3D Structure for Q9BZ11 |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Related Product Information for ADAM33 elisa kit** | Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADAM33 in human tissue homogenates, cell lysates and other biological fluids.<br><br>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADAM33. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADAM33. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ADAM33, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ADAM33 in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| **Other Notes** | Small volumes of ADAM33 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for ADAM33 purchase** | MBS452801 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the A Disintegrin And Metalloprotease 33 (ADAM33) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ADAM33. The ELISA analytical biochemical technique of the MBS452801 kit is based on ADAM33 antibody-ADAM33 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ADAM33 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ADAM33. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |




**Typical Testing Data/Standard Curve (for reference only) of ADAM33 elisa kit**

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADAM33. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 540344525 |
| **NCBI GeneID** | 80332 |
| **NCBI Accession #** | NP_001269376.1 |
| **UniProt Primary Accession #** | Q9BZ11 |
| **UniProt Secondary Accession #** | Q5JT75; Q5JT76; Q8N0W6; A0A1K6 |
| **UniProt Related Accession #** | Q9BZ11 |
| **GenBank Nucleotide #** | NM_001282447.2 |
| **NCBI Official Full Name** | disintegrin and metalloproteinase domain-containing protein 33 isoform gamma |
| **NCBI Official Synonym Full Names** | ADAM metallopeptidase domain 33 |
| **NCBI Official Symbol** | ADAM33 |
| **NCBI Official Synonym Symbols** | C20orf153; DJ964F7.1 |
| **UniProt Protein Name** | Disintegrin and metalloproteinase domain-containing protein 33 |
| **Protein Family** | Disintegrin and metalloproteinase domain-containing protein |
| **UniProt Gene Name** | ADAM33 |
| **UniProt Synonym Gene Names** | C20orf153; ADAM 33 |
| **NCBI Protein Information** | disintegrin and metalloproteinase domain-containing protein 33 |
| **NCBI Summary for ADAM33** | This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This protein is a type I transmembrane protein implicated in asthma and bronchial hyperresponsiveness. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2013] |
| **Research Articles on ADAM33** | **1.** This meta-analysis demonstrates that the ADAM33 gene polymorphisms confer susceptibility to allergic rhinitis |

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| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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