Human A Disintegrin And Metalloprotease 8 (ADAM8) ELISA Kit | ADAM8 elisa kit

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CATALOG #	REACTIVITY
AAA331105	**Human**

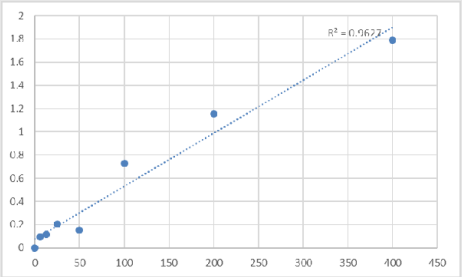
PRODUCT SYNONYMS

A Disintegrin And Metalloprotease 8 (ADAM8); Human A Disintegrin And Metalloprotease 8 (ADAM8) ELISA Kit; ADAM8; CD156; MGC134985; MS2; a disintegrin and metalloproteinase domain 8; cell surface antigen MS2; disintegrin and metalloproteinase domain-containing protein 8; human leukocyte differentiation antigen; ADAM8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human A Disintegrin And Metalloprotease 8 (ADAM8) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADAM8. No significant cross-reactivity or interference between Human ADAM8 and analogues was observed.
Sequence Length	824
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human A Disintegrin And Metalloprotease 8 (ADAM8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADAM8 elisa kit	Description: This Human A Disintegrin And Metalloprotease 8 (ADAM8) ELISA Kit employs a two-site sandwich ELISA to quantitate ADAM8 in samples. An antibody specific for ADAM8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADAM8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAM8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADAM8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ADAM8 is expressed in macrophages, granulocytes, monocytes and B cells. It is an osteoclast stimulating factor. ADAM8 may play a role in neuron-glia interactions during neurodegeneration. It may also mediate extravasation of leukocytes either by degrading the vascular basement membrane or by liberating active molecules from their precursors harbored in the cell surface of leukocytes and endothelial cells. Human ADAM8 precursor consists of 824 amino acid (aa) residues consisting of a 16 aa signal peptide, a 637 aa ectodomain including pro-, metalloprotease, disintegrin-like and cysteine-rich regions, a 25 aa transmembrane domain, and a 146 aa cytoplasmic domain). ADAM8 naturally occurs as both a membrane and a soluble form.

NCBI AND UNIPROT INFORMATION

NCBI GI #	109731932
NCBI GeneID	101
UniProt Accession #	P78325
NCBI Official Full Name	ADAM8 protein
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 8
NCBI Official Symbol	ADAM8
NCBI Official Synonym Symbols	MS2; CD156; CD156a
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 8
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 8
UniProt Gene Name	**ADAM8**
UniProt Synonym Gene Names	MS2; ADAM 8
UniProt Entry Name	ADAM8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/human-elisa-kits/a-disintegrin-and-metalloprotease-8-adam8/331105