Coagulation Factor VIII (F8) ELISA Kit for Goose

PRODUCT OVERVIEW

Product Name	Coagulation Factor VIII (F8), ELISA Kit
Full Product Name	Goose Coagulation Factor VIII ELISA Kit
Product Gene Name	F8 elisa kit
Species Reactivity	Goose
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	266,196 Da
Chromosome Location	Chromosome: X; NC_000086.7 (75172715..75380041, complement). Location: X A7-B; X 38.17 cM
3D Structure	ModBase 3D Structure for Q06194
Related Product Information for F8 elisa kit	MBS041014 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Coagulation Factor VIII (F8) 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 F8. The ELISA analytical biochemical technique of the MBS041014 kit is based on F8 antibody-F8 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect F8 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, F8. 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(%).
Other Notes	Small volumes of F8 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for F8. It may not necessarily be applicable to this product.

NCBI GI #	238624180
NCBI GeneID	14069
NCBI Accession #	NP_032003.2
UniProt Primary Accession #	Q06194
UniProt Secondary Accession #	A2AN88
UniProt Related Accession #	Q06194
GenBank Nucleotide #	NM_007977.2
NCBI Official Full Name	coagulation factor VIII isoform 1
NCBI Official Synonym Full Names	coagulation factor VIII
NCBI Official Symbol	F8
NCBI Official Synonym Symbols	Cf8; Cf-8; FVIII
UniProt Protein Name	Coagulation factor VIII
UniProt Synonym Protein Names	Procoagulant component

Protein Family	Coagulation factor
UniProt Gene Name	F8
UniProt Synonym Gene Names	Cf8; F8c
UniProt Entry Name	FA8_MOUSE
NCBI Protein Information	coagulation factor VIII; Factor VIII; procoagulant component
UniProt Comments for F8	F8: Factor VIII, along with calcium and phospholipid, acts as a cofactor for factor IXa when it converts factor X to the activated form, factor Xa. Defects in F8 are the cause of hemophilia A (HEMA). A disorder of blood coagulation characterized by a permanent tendency to hemorrhage. About 50% of patients have severe hemophilia resulting in frequent spontaneous bleeding into joints, muscles and internal organs. Less severe forms are characterized by bleeding after trauma or surgery. Of particular interest for the understanding of the function of F8 is the category of CRM (cross-reacting material) positive patients (approximately 5%) that have considerable amount of F8 in their plasma (at least 30% of normal), but the protein is non- functional; i.e. the F8 activity is much less than the plasma protein level. CRM-reduced is another category of patients in which the F8C antigen and activity are reduced to approximately the same level. Most mutations are CRM negative, and probably affect the folding and stability of the protein. Belongs to the multicopper oxidase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Cellular Component: extracellular space; extracellular region Molecular Function: copper ion binding; metal ion binding; serine-type endopeptidase activity; oxidoreductase activity Biological Process: platelet activation; hemostasis; acute-phase response; proteolysis; blood coagulation; blood coagulation, intrinsic pathway
Research Articles on F8	**1.** Acute elevations in FVIII levels result in a non-linear thrombogenic effect, with non-significant increases in thrombogenic risk. Prolonged elevation of plasma FVIII did not further increase the thrombogenic potential of elevated FVIII levels.
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