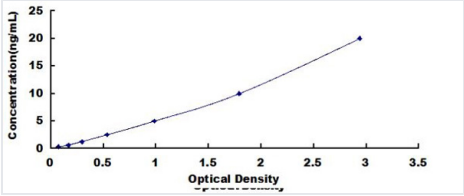
Filaggrin (FLG) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Filaggrin (FLG), ELISA Kit
Full Product Name	Mouse Filaggrin (FLG) ELISA Kit
Product Gene Name	FLG elisa kit
Product Synonym Names	Profilaggrin
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.136ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	35,678 Da
3D Structure	ModBase 3D Structure for P11088
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for FLG elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FLG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FLG. 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 FLG, 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 FLG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of FLG 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.
Searchable Terms for FLG purchase	MBS459348 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Filaggrin (FLG) 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 FLG. The ELISA analytical biochemical technique of the MBS459348 kit is based on FLG antibody-FLG antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect FLG antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, FLG. 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 FLG elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	120164
NCBI GeneID	14246
NCBI Accession #	P11088.1
UniProt Primary Accession #	P11088
UniProt Related Accession #	P11088
NCBI Official Full Name	Filaggrin
NCBI Official Synonym Full Names	filaggrin
NCBI Official Symbol	Flg
NCBI Official Synonym Symbols	ft; AW107830
UniProt Protein Name	Filaggrin
Protein Family	Filaggrin
UniProt Gene Name	Flg
NCBI Protein Information	filaggrin; LOW QUALITY PROTEIN: filaggrin
UniProt Comments for FLG	Aggregates keratin intermediate filaments and promotes disulfide-bond formation among the intermediate filaments during terminal differentiation of mammalian epidermis.
Research Articles on FLG	**1.** Loss of epidermal AP1 reduces filaggrin level, alters chemokine expression and produces an ichthyosis-related phenotype.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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