C4a (Complement Component 4a) (C4A) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	C4a (Complement Component 4a), ELISA Kit
Full Product Name	Rat C4a (Complement Component 4a) ELISA Kit
Product Gene Name	C4a elisa kit
Product Synonym Names	C4a anaphylatoxin
Species Reactivity	Rat
Assay Type	Sandwich
Samples	serum, plasma and other biological fluids
Detection Range	0.16-10ug/mL
Sensitivity	0.049ug/mL
Product Categories/Family for C4a elisa kit	Immune molecule; Endocrinology
Related Product Information for C4a elisa kit	Test Principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat C4a. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat C4a. 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 Rat C4a, 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 Rat C4a in the samples is then determined by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of C4a 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 C4a purchase	MBS8822428 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the C4a (Complement Component 4a) 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 C4a. The ELISA analytical biochemical technique of the MBS8822428 kit is based on C4a antibody-C4a antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C4a antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C4a. 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(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C4a. It may not necessarily be applicable to this product.

Protein Family	Complement C4
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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