

Rat Complement fragment 5 (C5) ELISA Kit

Catalog No: #EK11321



Package Size: #EK11321-1 48T #EK11321-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Rat Complement fragment 5 (C5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	CPAMD4; FLJ17816; FLJ17822; MGC142298; anaphylatoxin C5a analog
Accession No.	P08650
Uniprot	P08650
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.148 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate C5 in samples. An antibody specific for C5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any C5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for C5 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 C5 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Complement component 5 is a protein involved in the complement system.C5 is a 190-kD glycoprotein comprised of 2 disulfide-linked polypeptide chains, alpha (C5a) and beta (C5b), with a molecular mass of 155 and 75 kD, respectively (Tack et al., 1979). Haviland et al. (1991) constructed the complete cDNA sequence of human complement pro-C5, which is predicted to encode a 1,676-amino acid promolecule that contains an 18-amino acid leader peptide and a 4-amino acid linker separating the beta and alpha chains. Northern blot analysis demonstrated a major 6.0-kb C5 transcript, as well as 3.0-kb and 4.8-kb transcripts. Carney et al. (1991) determined that the C5 gene contains 41 exons that span a genomic region of 79 kb.

Note: This product is for in vitro research use only