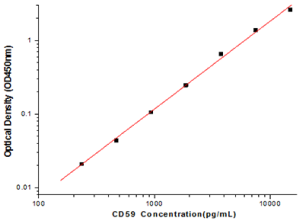
CD59 ELISA Pair

PRODUCT OVERVIEW

Product Name	CD59, ELISA Pair
Full Product Name	CD59 Matched ELISA Antibody Pair Set, Human
Product Gene Name	CD59 elisa pair
Product Synonym Names	Human CD59 ELISA Pair Set; CD59 molecule; 16.3A5 Matched ELISA Antibody Pair Set, Human; 1F5 Matched ELISA Antibody Pair Set, Human; EJ16 Matched ELISA Antibody Pair Set, Human; EJ30 Matched ELISA Antibody Pair Set, Human; EL32 Matched ELISA Antibody Pair Set, Human; FLJ38134 Matched ELISA Antibody Pair Set, Human; FLJ92039 Matched ELISA Antibody Pair Set, Human; G344 Matched ELISA Antibody Pair Set, Human; HRF-20 Matched ELISA Antibody Pair Set, Human; HRF20 Matched ELISA Antibody Pair Set, Human; MAC-IP Matched ELISA Antibody Pair Set, Human; MACIF Matched ELISA Antibody Pair Set, Human; MEM43 Matched ELISA Antibody Pair Set, Human; MGC2354 Matched ELISA Antibody Pair Set, Human; MIC11 Matched ELISA Antibody Pair Set, Human; MIN1 Matched ELISA Antibody Pair Set, Human; MIN2 Matched ELISA Antibody Pair Set, Human; MIN3 Matched ELISA Antibody Pair Set, Human; MIRL Matched ELISA Antibody Pair Set, Human; MSK21 Matched ELISA Antibody Pair Set, Human; p18-20 Matched ELISA Antibody Pair Set, Human
Assay Type	Solid Phase Sandwich ELISA
Detection Range	234.38-15000pg/mL
Sensitivity	234.38pg/ml
Specificity	Quantitative determination of Human CD59
Preparation and Storage	Capture Antibody: Aliquot and store at -20 degree C to -80 degree C for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles. Detection Antibody: Store at 4 degree C and protect it from prolonged exposure to light for up to 6 months from date of receipt. DO NOT FREEZE! Standard: Store lyophilized standard at -20 degree C to -80 degree C for up to 6 months from date of receipt. Aliquot and store the reconstituted Standard at -80 degree C for up to 1 month. Avoid repeated freeze-thaw cycles.
Materials Provided	1. Capture Antibody 0.5 mg/mL of rabbit anti-Human CD59 monoclonal antibody (in PBS, pH 7.4). Dilute to a working concentration of 2ug/mL in PBS before coating. 2. Detection Antibody 0.2 mg/mL of rabbit anti-Human CD59 monoclonal antibody conjugated to horseradish-peroxidase (HRP) (in PBS, 50 % HRP-Protector, pH 7.4, store at 4 degree C). Dilute to working concentration of 0.25ug/mL in detection antibody dilution buffer before use. 3. Standard Each vial contains 240 ng of recombinant Human CD59. Reconstitute with 1 mL detection antibody dilution buffer. After reconstitution, store at -20 degree C to -80 degree C in a manual defrost freezer. A seven-point standard curve using 2-fold serial dilutions in sample dilution buffer, and a high standard of 15000 pg/mL is recommended.
Product Categories/Family for CD59 elisa pair	Complement Activation Pathways

Related Product Information for CD59 elisa pair	CD59 glycoprotein, also known as 2 kDa homologous restriction factor, HRF2, MAC-inhibitory protein, Membrane attack complex inhibition factor, Membrane inhibitor of reactive lysis, MIC11, MIRL and CD59, is a cell membrane protein which contains one UPAR/Ly6 domain. CD59 is a small, highly glycosylated, GPI-linked protein, with a wide expression profile. The soluble form of CD59 from urine retains its specific complement binding activity, but exhibits greatly reduced ability to inhibit MAC assembly on cell membranes. CD59 is a potent inhibitor of the complement membrane attack complex (MAC) action. CD59 was first identified as a regulator of the terminal pathway of complement. It acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. CD59 is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase. Defects in CD59 are the cause of CD59 deficiency (CD59D). This CD59 Matched ELISA Antibody Pair Set, Human is a solid phase sandwich ELISA for quantitative determination of Human CD59. It contains Human CD59 capture antibody, Human CD59 detector antibody (HRP) and a highly purified HEK293-expressed recombinant Human CD59 protein.
Product References and Citations for CD59 elisa pair	Fletcher CM. et al., 1994, Structure. 2: 185-99. Rudd PM. et al., 1997, J Biol Chem. 272: 7229-44. Kimberley FC. et al., 2007, Mol Immunol. 44 (1-3): 73-81. Gong Y. et al., 2007, Sci China C Life Sci. 50 (6): 773-9. Picariello G. et al., 2008, Proteomics 8: 3833-47. Heibeck TH. et al., 2009, J Proteome Res. 8: 3852-61.
Other Notes	Small volumes of CD59 elisa pair 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 CD59 purchase	MBS8118434 is an ELISA pair targeting CD59. Also known as CD59 Matched ELISA Antibody Pair Set, Human.



Concentration (pg/mL)	Zero standard subtracted OD
0	0
234.375	0.021
468.75	0.044
937.5	0.106
1875	0.247
3750	0.655
7500	1.377
15000	2.598

Testing Data of CD59 elisa pair

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD59. It may not necessarily be applicable to this product.

Protein Family	CD59 glycoprotein
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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