

Sheep C5a anaphylatoxin chemotactic receptor (C5AR1) ELISA Kit | C5AR1 elisa kit

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CATALOG #
AAA244575

REACTIVITY
Sheep

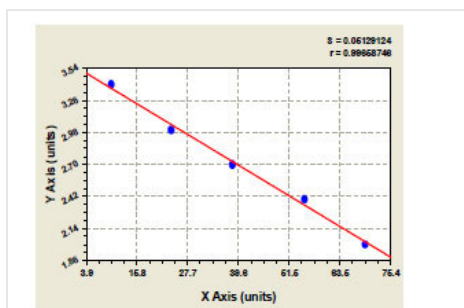
PRODUCT SYNONYMS

C5a anaphylatoxin chemotactic receptor (C5AR1); Sheep C5a anaphylatoxin chemotactic receptor (C5AR1) ELISA Kit; C5AR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for C5AR1 elisa kit

Intended Uses: This C5AR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep C5AR1. This ELISA kit for research use only!

Principle of the Assay||C5AR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C5AR1 antibody and an C5AR1-HRP conjugate. The assay sample and buffer are incubated together with C5AR1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the C5AR1 concentration since C5AR1 from samples and C5AR1-HRP conjugate compete for the anti-C5AR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by C5AR1 from the sample, fewer sites are left to bind C5AR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C5AR1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for C5AR1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033355
NCBI GeneID	728
Molecular Weight	39,336 Da
NCBI Official Full Name	C5a anaphylatoxin chemotactic receptor 1
NCBI Official Synonym Full Names	complement component 5a receptor 1
NCBI Official Symbol	C5AR1
NCBI Official Synonym Symbols	C5A; C5AR; C5R1; CD88
NCBI Protein Information	C5a anaphylatoxin chemotactic receptor 1; C5a-R; C5a ligand; C5a anaphylatoxin receptor; complement component 5 receptor 1
UniProt Protein Name	C5a anaphylatoxin chemotactic receptor 1
UniProt Gene Name	C5AR1
UniProt Synonym Gene Names	C5AR; C5R1; C5a-R; C5aR
UniProt Entry Name	C5AR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sheep-elisa-kits/c5a-anaphylatoxin-chemotactic-receptor-c5ar1/244575>