

Mouse Complement Component 5a Receptor 1 (C5aR1) ELISA Kit-Sandwich

Cat. No.: EK5F740

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Complement Component 5a Receptor 1 (C5aR1) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse C5aR1 in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Complement Component 5a Receptor 1 (C5aR1).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.32-20 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

C5a anaphylatoxin chemotactic receptor 1 serves as a receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. The ligand binds to at least two sites on this receptor: a high-affinity site located on the extracellular N-terminus and another in the transmembrane region, which is responsible for activating downstream signaling events. Activation of this receptor induces chemotaxis, the release of granule enzymes, the release of intracellular calcium, and the production of superoxide anions. In mice, C5aR1 plays complex and varied roles across numerous areas, including neurodegenerative, autoimmune, allergic, and skin diseases, as well as in bone metabolism, kidney, and cardiovascular diseases.

Target/Biomarker	Mouse C5aR1
Target Synonym	CD88; C5A; C5-AR1; C5R1; C5a anaphylatoxin chemotactic receptor 1
Gene ID	12273

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.