

Anti-Complement C5 Antibody (2J123)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2J123
Purification:	Affinity-chromatography

Applications

Verified Activity:	Overlay Peak curve showing Hela cells surface stained with TMAH-00129 (red line) at 1:800. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10 ⁶ cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10 ⁶ cells) used under the same conditions. Acquisition of >10,021 events was performed.
Application:	ELISA, FCM
Recommended	FCM:1:20-1:500.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human C5 Protein
Antigen Species:	Human
Gene ID:	727
Uniprot ID:	P01031
Synonyms:	ECLZB;C5a;complement component 5;C5D;Complement C5;C5b;CPAMD4
Biology Area:	Immunology

Research Background

Activation of C5 by a C5 convertase initiates the spontaneous assembly of the late complement components, C5-C9, into the membrane attack complex. C5b has a transient binding site for C6. The C5b-C6 complex is the foundation upon which the lytic complex is assembled. Derived from proteolytic degradation of complement C5, C5a anaphylatoxin is a mediator of local inflammatory process. Binding to the receptor C5AR1 induces a variety of responses including intracellular calcium release, contraction of smooth muscle, increased vascular permeability, and histamine release from mast cells and basophilic leukocytes. C5a is also a potent chemokine which stimulates the locomotion of polymorphonuclear leukocytes and directs their migration toward sites of inflammation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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