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Datasheet for ABIN2191827
anti-C5a Receptor antibody

1 Publication

Overview

Quantity:	100 µg
Target:	C5a Receptor (C5AR)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This C5a Receptor antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB)

Product Details

Clone:	10-92
Sterility:	0.2 µm filtered

Target Details

Target:	C5a Receptor (C5AR)
Alternative Name:	c5a Receptor (C5AR Products)

Background: The monoclonal antibody 10/92 recognizes the mouse receptor C5a (C5aR, CD88). The mouse anaphylatoxin C5a is a 74-residue glycopolypeptide which is generated by proteolytic cleavage of the complement factor C5 in the course of complement activation. A variety of biological effects evoked by C5a could be demonstrated, rendering this molecule an important mediator of inflammation, with granulocytes and macrophages as the main target cells. All cellular responses to C5a are specifically mediated by interactions with the membrane bound C5a

Target Details

receptor, a seven transmembrane GTP- binding-protein-coupled receptor that belongs to the rhodopsin supergene family. The 45 kDa C5a receptor is expressed by neutrophils, monocytes/macrophages, dendritic cells, astrocytes and microglia. In contrast, C5a receptor is not detectable on resting or stimulated murine T and B lymphocytes. The monoclonal antibody 10/92 does not inhibit the binding of C5a to its receptor. Aliases C5aR1, CD88 Immunogen RBL-2H3 transfectants expressing murine C5aR

Application Details

Application Notes: For immunohistology, Western blotting and flow cytometry, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

Restrictions: For Research Use only

Handling

Buffer: PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

Expiry Date: 12 months

Publications

Product cited in: Zwirner, Felber, Burger, Bitter-Suermann, Riethmüller, Feucht: "Classical pathway of complement activation in mammalian kidneys." in: **Immunology**, Vol. 80, Issue 2, pp. 162-7, (1994) ([PubMed](#)).

Feucht, Schneeberger, Hillebrand, Burkhardt, Weiss, Riethmüller, Land, Albert: "Capillary deposition of C4d complement fragment and early renal graft loss." in: **Kidney international**, Vol. 43, Issue 6, pp. 1333-8, (1993) ([PubMed](#)).