

Datasheet for ABIN2192159 **anti-C3 antibody**

1 Publication



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Overview

Quantity:	100 µg
Target:	C3
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C3 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Sterility:	0.2 µm filtered
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Target Details

Target:	C3
Abstract:	C3 Products
Background:	<p>The polyclonal antibody recognizes pig complement component C3. The complement system is an important part of the humoral response in innate immunity, consisting of three different pathways. The third complement component, C3, is central to the classical, alternative and lectin pathways of complement activation. Activation products of the complement cascade contain neo-epitopes that are not present in the individual native components. The complement factor C3 consists of an alpha- and a beta-chain. The synthesis of C3 is tissue-specific and is modulated in response to a variety of stimulatory agents. C3 is the most abundant protein of the complement system with serum protein levels of about 1.3 mg/mL. An inherited deficiency</p>

Target Details

of C3 predisposes the person to frequent assaults of bacterial infections. In ulcerative colitis, and idiopathic chronic inflammatory bowel disease, the deposition of C3 in the diseased mucosa has been reported. Proteolysis by certain enzymes results in the cleavage of C3 into C3a and C3b. C3b becomes attached to immune complexes and is further cleaved into iC3b, C3c, C3dg and C3f. Aliases Complement component C3 Immunogen Purified Pig C3

Pathways:

[Complement System](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

Application Details

Application Notes:

For 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. For functional studies, in vitro dilutions have to be optimized in user's experimental setting. Positive Red Blood Cells control

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 at least one year. The exact expiry date is indicated on the label.

Publications

Product cited in:

Pérez de la Lastra, Harris, Hinchliffe, Holt, Rushmere, Morgan: "Pigs express multiple forms of decay-accelerating factor (CD55), all of which contain only three short consensus repeats." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 165, Issue 5, pp. 2563-73, (2000) ([PubMed](#)).