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Datasheet for ABIN1389810

anti-C9 antibody (AA 161-260) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	C9
Binding Specificity:	AA 161-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C9 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Complement component C9a
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	C9
Alternative Name:	C9a/C9 (C9 Products)
Background:	Synonyms: C9a, C9 deficiency, C9 deficiency with dermatomyositis, CO9_HUMAN, Complement component 9, Complement component 9 deficiency, Complement component C9a,

Target Details

Complement component C9a, C9.

Background: C9 is a plasma protein synthesized in the liver and monocytes consisting of a single polypeptide chain. C9 is a part of the membrane attack complex (MAC), an important component of the immune system. The MAC forms upon complement system activation by invading pathogenic bacteria and consists of the four major complement proteins: C5b, C6, C7 and C8. These complement proteins bind to the outer surface of the plasma membrane of the invading cell. C9 binds to the membrane associated C5b-8 protein, which leads to the circular polymerization of 12-18 C9 Molecules. These polymerized C9 Molecules form a ring structure in the membrane. Molecules can then diffuse freely through this transmembrane channel, causing cell lysis and destruction of the invading bacterial cell.

Pathways: [Complement System](#)

Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months