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Datasheet for ABIN7148368

anti-C4B antibody (AA 1454-1744) (HRP)

Overview

Quantity:	100 µg
Target:	C4B (C4b)
Binding Specificity:	AA 1454-1744
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C4B antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Complement C4-B protein (1454-1744AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	C4B (C4b)
Alternative Name:	C4B (C4b Products)
Background:	Background: Non-enzymatic component of the C3 and C5 convertases and thus essential for the propagation of the classical complement pathway. Covalently binds to immunoglobulins

Target Details

and immune complexes and enhances the solubilization of immune aggregates and the clearance of IC through CR1 on erythrocytes. C4A isotype is responsible for effective binding to form amide bonds with immune aggregates or protein antigens, while C4B isotype catalyzes the transacylation of the thioester carbonyl group to form ester bonds with carbohydrate antigens. Ref.16 Ref.17 Derived from proteolytic degradation of complement C4, C4a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes.

Aliases: Basic complement C4 antibody, C2B5 antibody, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 3 antibody, C4b antibody, C4B1 antibody, C4B2 antibody, C4B3 antibody, CO4B_HUMAN antibody, Complement C4 gamma chain antibody, Complement component 4B antibody, CPAMD3 antibody

UniProt: [P0COL5](#)

Pathways: [Complement System](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.