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Datasheet for ABIN7145069

anti-DARC antibody (AA 1-63) (HRP)

Overview

Quantity:	100 µg
Target:	DARC
Binding Specificity:	AA 1-63
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DARC antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Atypical chemokine receptor 1 protein (1-63AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DARC
Alternative Name:	ACKR1 (DARC Products)
Background:	Background: Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction

Target Details

cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Has a promiscuous chemokine-binding profile, interacting with inflammatory chemokines of both the CXC and the CC subfamilies but not with homeostatic chemokines. Acts as a receptor for chemokines including CCL2, CCL5, CCL7, CCL11, CCL13, CCL14, CCL17, CXCL5, CXCL6, IL8/CXCL8, CXCL11, GRO, RANTES, MCP-1, TARC and also for the malaria parasites *P.vivax* and *P.knowlesi*. May regulate chemokine bioavailability and, consequently, leukocyte recruitment through two distinct mechanisms: when expressed in endothelial cells, it sustains the abluminal to luminal transcytosis of tissue-derived chemokines and their subsequent presentation to circulating leukocytes, when expressed in erythrocytes, serves as blood reservoir of cognate chemokines but also as a chemokine sink, buffering potential surges in plasma chemokine levels.

Aliases: ACKR1 antibody, Atypical chemokine receptor 1 antibody, CCBP1 antibody, CD234 antibody, DARC antibody, Dfy antibody, Duffy antigen/chemokine receptor antibody, duffy blood group antibody, Duffy blood group antigen antibody, Duffy blood group chemokine receptor antibody, DUFFY_HUMAN antibody, FY antibody, Fy glycoprotein antibody, Glycoprotein D antibody, GPD antibody, GpFy antibody, Plasmodium vivax receptor antibody, WBCQ1 antibody

UniProt: [Q16570](#)

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.