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Datasheet for ABIN5000181

anti-CLEC4E antibody (AA 51-150) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	CLEC4E
Binding Specificity:	AA 51-150
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLEC4E antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CLECSF9/CLEC4E
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CLEC4E
Alternative Name:	CLEC 4E (CLEC4E Products)

Target Details

Background:	<p>Synonyms: C type lectin domain family 4 member E, C type lectin superfamily member 9, C-type calcium dependent carbohydrate recognition domain lectin superfamily member 9, C-type lectin domain family 4 member E, C-type lectin superfamily member 9, CLC4E_HUMAN, CLEC 4E, CLEC4E Clec4e, CLECSF9, Macrophage inducible C type lectin, Macrophage-inducible C-type lectin, MINCLE.</p> <p>Background: C-type lectin that functions as cell-surface receptor for a wide variety of ligands such as damaged cells, fungi and mycobacteria. Plays a role in the recognition of pathogenic fungi, such as <i>Candida albicans</i>. The detection of mycobacteria is via trehalose 6,6'-dimycolate (TDM), a cell wall glycolipid. Specifically recognizes alpha-mannose residues on pathogenic fungi of the genus <i>Malassezia</i>. Recognizes also SAP130, a nuclear protein, that is released by dead or dying cells. Transduces signals through an ITAM-containing adapter protein, Fc receptor gamma chain /FCER1G. Induces secretion of inflammatory cytokines through a pathway that depends on SYK, CARD9 and NF-kappa-B.</p>
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Gene ID:	26253
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Application Details

Application Notes:	FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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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.

Handling

Expiry Date: 12 months