abcam

ab275684

PE Anti-Coxsackie Adenovirus Receptor/hCAR antibody [271]

Recombinant

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	PE
Excitation/Emission	Ex: 480;565nm, Em: 578nm
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 0.5% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human CXADR aa 1-250. The exact immunogen used to generate this antibody is proprietary information. Database link P78310
Clone number	271
Purification technique	Affinity purification Protein A
Concentration	0.1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	10 µl/Test

Target data

See full target information CXADR

Function

Component of the epithelial apical junction complex that may function as a homophilic cell adhesion molecule and is essential for tight junction integrity. Also involved in transepithelial migration of leukocytes through adhesive interactions with JAML a transmembrane protein of the plasma membrane of leukocytes. The interaction between both receptors also mediates the activation of gamma-delta T-cells, a subpopulation of T-cells residing in epithelia and involved in tissue homeostasis and repair. Upon epithelial CXADR-binding, JAML induces downstream cell signaling events in gamma-delta T-cells through PI3-kinase and MAP kinases. It results in proliferation and production of cytokines and growth factors by T-cells that in turn stimulate epithelial tissues repair. (Microbial infection) Acts as a receptor for adenovirus type C. (Microbial infection) Acts as a receptor for Coxsackievirus B1 to B6.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze, Store in the dark

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

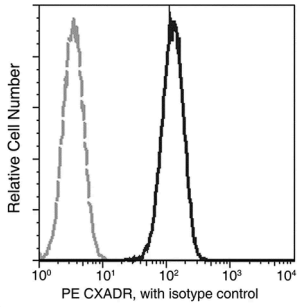
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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1 product image



Flow Cytometry - PE Anti-Coxsackie Adenovirus Receptor/hCAR antibody [271] (ab275684)

Coxsackie Adenovirus Receptor/hCAR Flow Cytometry staining using rabbit Anti-Coxsackie Adenovirus Receptor/hCAR antibody

Flow cytometric analysis of Coxsackie Adenovirus Receptor/hCAR expression on HT-29 (Human colorectal adenocarcinoma cell line) cells. HT-29 cells were stained with ab275684 at 10 µl/Test. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.