

ARG58540
anti-CXADR / CAR antibodyPackage: 100 µl
Store at: -20°C**Summary**

Product Description	Rabbit Polyclonal antibody recognizes CXADR / CAR
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXADR / CAR
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 132-161 (Center) of Human CXADR / CAR.
Conjugation	Un-conjugated
Alternate Names	Coxsackievirus B-adenovirus receptor; CAR4/6; HCAR; hCAR; CAR; Coxsackievirus and adenovirus receptor; CVB3-binding protein; HCVADR

Application Instructions

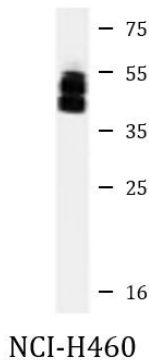
Application table	Application	Dilution
	FACS	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	NCI-H460	

Properties

Form	Liquid
Purification	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

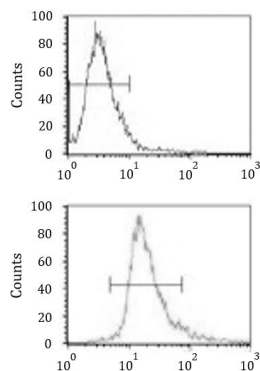
Gene Symbol	CXADR
Gene Full Name	coxsackie virus and adenovirus receptor
Background	The protein encoded by this gene is a type I membrane receptor for group B coxsackieviruses and subgroup C adenoviruses. Several transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene are found on chromosomes 15, 18, and 21. [provided by RefSeq, May 2011]
Function	Component of the epithelial apical junction complex that may function as an homophilic cell adhesion molecule and is essential for tight junction integrity. Also involved in transepithelial migration of leukocytes through adhesive interactions with AMICA1/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, AMICA1 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. [UniProt]
Calculated Mw	40 kDa
PTM	N-glycosylated. Palmitoylated on Cys-259 and/or Cys-260; required for proper localization to the plasma membrane. [UniProt]
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Cell junction, adherens junction. Basolateral cell membrane; Single-pass type I membrane protein. Note=In epithelial cells localizes to the apical junction complex composed of tight and adherens junctions. In airway epithelial cells localized to basolateral membrane but not to apical surface Isoform 3: Secreted. Isoform 5: Secreted. [UniProt]

Images



ARG58540 anti-CXADR / CAR antibody WB image

Western blot: 35 µg of NCI-H460 cell lysate stained with ARG58540 anti-CXADR / CAR antibody.



ARG58540 anti-CXADR / CAR antibody FACS image

Flow Cytometry: NCI-H460 cells stained with ARG58540 anti-CXADR / CAR antibody (bottom histogram) or without primary antibody as control (top histogram), followed by incubation with FITC labelled secondary antibody.