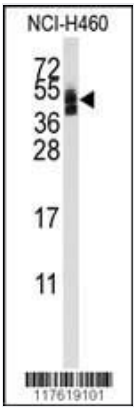
CXADR Antibody – Rabbit Polyclonal

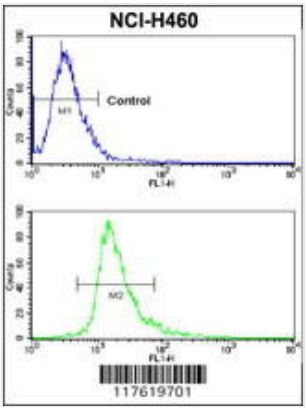
PRODUCT OVERVIEW

Product Name	CXADR, Polyclonal Antibody
Full Product Name	CXADR, ID (CXADR, CAR, Coxsackievirus and adenovirus receptor, CVB3-binding protein, Coxsackievirus B-adenovirus receptor, HCVADR) (MaxLight 650)
Product Gene Name	anti-CXADR antibody
Product Synonym Names	CXADR; CAR; Coxsackievirus and adenovirus receptor; CVB3-binding protein; Coxsackievirus B-adenovirus receptor; HCVADR
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	40,030 Da
Chromosome Location	Chromosome: 21; NC_000021.8 (18885224..18965897). Location: 21q21.1
OMIM	602621
3D Structure	ModBase 3D Structure for P78310
Immunogen	CXADR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140~169 amino acids from the Center region of human CXADR.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-CXADR antibody	Antibodies; Infectious Disease Adenovirus
Applications Tested/Suitable for anti-CXADR antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-CXADR antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:50-100 Applications are based on unconjugated antibody.
Related Product Information for anti-CXADR antibody	CXADR is a type I membrane receptor for group B coxsackieviruses and subgroup C adenoviruses.
Product References and Citations for anti-CXADR antibody	Tomko R.P., Xu R., Philipson L.Proc. Natl. Acad. Sci. U.S.A. 94:3352-3356(1997). Bowles K.R., Gibson J., Hum. Genet. 105:354-359(1999). Fechner H., Haack A., Wang H., Wang X.Gene Ther. 6:1520-1535(1999). Martino T.A., Petric M., Weingartl H.Virology 271:99-108(2000). Ashbourne-Excoffon K.J.D., Hruska-Hageman A.M.J. Cell Sci. 117:4401-4409(2004).

Other Notes	Small volumes of anti-CXADR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CXADR purchase	MBS6290185 is an antibody targeting CXADR. Also known as CXADR, ID (CXADR, CAR, Coxsackievirus and adenovirus receptor, CVB3-binding protein, Coxsackievirus B-adenovirus receptor, HCVADR) (MaxLight 650). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CXADR antibody
Western blot analysis of anti-CXADR Antibody (Center) in NCI-H460 cell line lysates (35ug/lane). CXADR(arrow) was detected using the purified Pab.



Flow Cytometry (FC/FACS) of anti-CXADR antibody
Flow cytometric analysis of NCI-H460 cells using CXADR Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXADR. It may not necessarily be applicable to this product.

NCBI GI #	333470703
NCBI GeneID	1525
NCBI Accession #	NP_001193992.1
UniProt Primary Accession #	P78310
UniProt Secondary Accession #	O00694; Q8WWT6; Q8WWT7; Q8WWT8; Q9UKV4; B2R8V8
UniProt Related Accession #	P78310
GenBank Nucleotide #	NM_001207063.1
NCBI Official Full Name	coxsackievirus and adenovirus receptor isoform 2
NCBI Official Synonym Full Names	coxsackie virus and adenovirus receptor
NCBI Official Symbol	CXADR
NCBI Official Synonym Symbols	CAR; HCAR; CAR4/6
UniProt Protein Name	Coxsackievirus and adenovirus receptor
UniProt Synonym Protein Names	CVB3-binding protein; Coxsackievirus B-adenovirus receptor; HCVADR
Protein Family	Coxsackievirus and adenovirus receptor
UniProt Gene Name	CXADR
UniProt Synonym Gene Names	CAR; CAR; hCAR
UniProt Entry Name	CXAR_HUMAN
NCBI Protein Information	coxsackievirus and adenovirus receptor; HCVADR; CVB3-binding protein; coxsackievirus B-adenovirus receptor; 46 kD coxsackievirus and adenovirus receptor (CAR) protein

NCBI Summary for CXADR	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]
UniProt Comments for CXADR	CXADR: a component of the epithelial apical junction complex that is essential for the tight junction integrity. Proposed to function as a homophilic cell adhesion molecule. Recruits MPDZ to intercellular contact sites. Probably involved in transepithelial migration of polymorphonuclear leukocytes (PMN) through adhesive interactions with AMICA1 located in the plasma membrane of PMN. Protein type: Membrane protein, integral; Receptor, misc.; Cell adhesion Chromosomal Location of Human Ortholog: 21q21.1 Cellular Component: extracellular space; neuron projection; protein complex; tight junction; integral to plasma membrane; basolateral plasma membrane; apicolateral plasma membrane; acrosome; extracellular region; intercellular junction; lipid raft; nucleoplasm; adherens junction; growth cone; plasma membrane; neuromuscular junction; cell junction; filopodium Molecular Function: viral receptor activity; integrin binding; identical protein binding; protein binding; beta-catenin binding; cell adhesion molecule binding; PDZ domain binding; receptor binding Biological Process: mitochondrion organization and biogenesis; neutrophil chemotaxis; intercellular junction assembly and maintenance; entry of virus into host cell; regulation of immune response; heart development; gamma-delta T cell activation; heterophilic cell adhesion; cardiac muscle fiber development; actin cytoskeleton reorganization; germ cell migration; homotypic cell-cell adhesion; blood coagulation; defense response to virus; leukocyte migration
Research Articles on CXADR	**1.** CAR expression in tumor tissues was significantly higher than that in normal lung tissues. CAR expression had a correlation with the histological grade of lung squamous cell carcinoma.
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