

## Anti-CXADR/CAR Antibody-PE (7D440)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	PE
Clone:	7D440
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of human CXADR expression on HT-29 cells. HT-29 cells were stained with PE-conjugated anti-Human CXADR. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human CXADR / CAR protein (TMPY-02121)
Antigen Species:	Human
Synonyms:	CAR4/6;CXADR;CAR;coxsackie virus and adenovirus receptor;HCAR

## Research Background

CXADR (coxsackie virus and adenovirus receptor), also known as CAR, is a type I transmembrane glycoprotein belonging to the CTX family of the Ig superfamily, and is essential for normal cardiac development in the mouse. Proposed as a homophilic cell adhesion molecule, CXADR is a component of the epithelial apical junction complex that is essential for the tight junction integrity, and probably involved in transepithelial migration of polymorphonuclear leukocytes (PMN). Mature mouse CXADR structurally comprises a 218 aa extracellular domain (ECD) with a V-type (D1) and a C2-type (D2) Ig-like domain, a 21 aa transmembrane segment and a 17 aa intracellular domain, among which, D1 is thought to be responsible for homodimer formation in trans within tight junctions. The ECD of mouse CXADR shares 97%, 9% sequence identity with the corresponding regions of rat, human CXADR.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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