

**Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR)  
Recombinant Antibody  
Catalog # APR10869****Specification**

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**Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR) - Product Information**

Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">P78310</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	150 KDa

**Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR) - Additional Information****Target/Specificity**  
CXADR**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR) - Protein Information****Name** CXADR**Synonyms** CAR**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.

#### Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein. Basolateral cell membrane; Single-pass type I membrane protein. Cell junction, tight junction. Cell junction, adherens junction. Note=In epithelial cells localizes to the apical junction complex composed of tight and adherens junctions (PubMed:12297051). In airway epithelial cells localized to basolateral membrane but not to apical surface (PubMed:11316797). [Isoform 4]: Secreted

#### Tissue Location

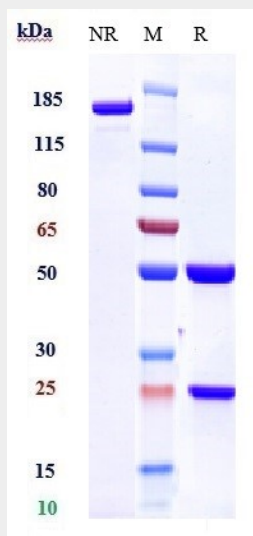
Expressed in pancreas, brain, heart, small intestine, testis, prostate and at a lower level in liver and lung Isoform 5 is ubiquitously expressed. Isoform 3 is expressed in heart, lung and pancreas. In skeletal muscle, isoform 1 is found at the neuromuscular junction and isoform 2 is found in blood vessels. In cardiac muscle, isoform 1 and isoform 2 are found at intercalated disks. In heart expressed in subendothelial layers of the vessel wall but not in the luminal endothelial surface. Expression is elevated in hearts with dilated cardiomyopathy.

### Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR) - Protocols

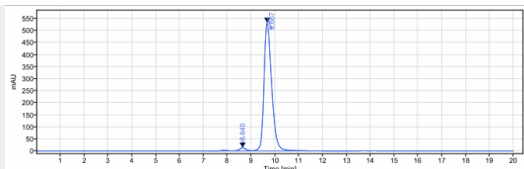
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR) - Images



Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CXADR Reference Antibody (Med. Bio. Labs patent anti-CXADR) is more than 95% ,determined by SEC-HPLC.