

PRODUCT INFORMATION

Clone ID	DMC687
Target	CXADR
Synonyms	CAR; CAR4:6; HCAR
Host Species	Rabbit
Description	Anti-CXADR antibody(DMC687); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P78310
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt; WB; IHC
Recommended Dilutions	Flow Cyt 1:100; WB 1:1000; IHC 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
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]
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.



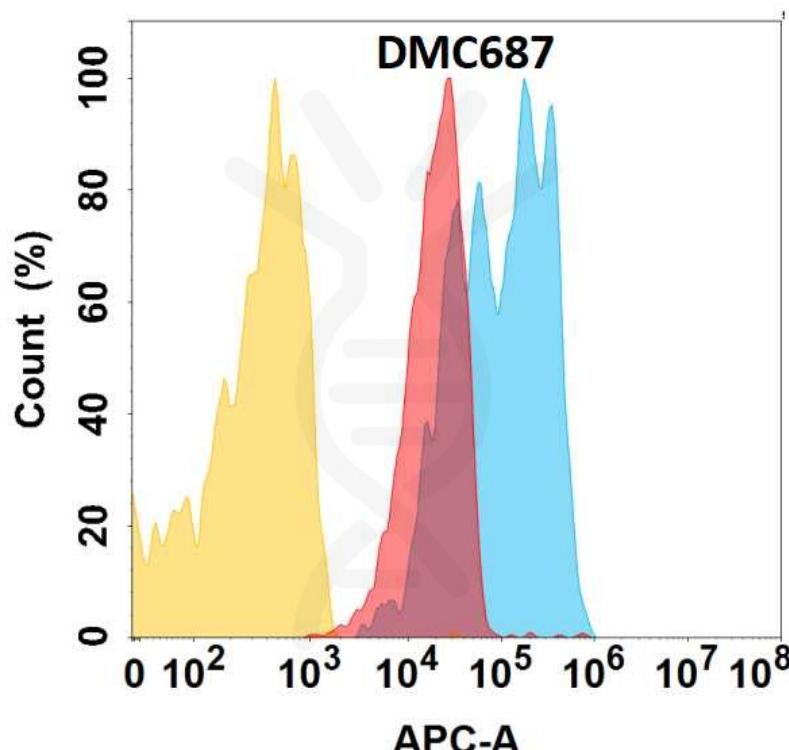


Figure 1. CXADR protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-CXADR (DMC687) on HEK293 cells transfected with human CXADR (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

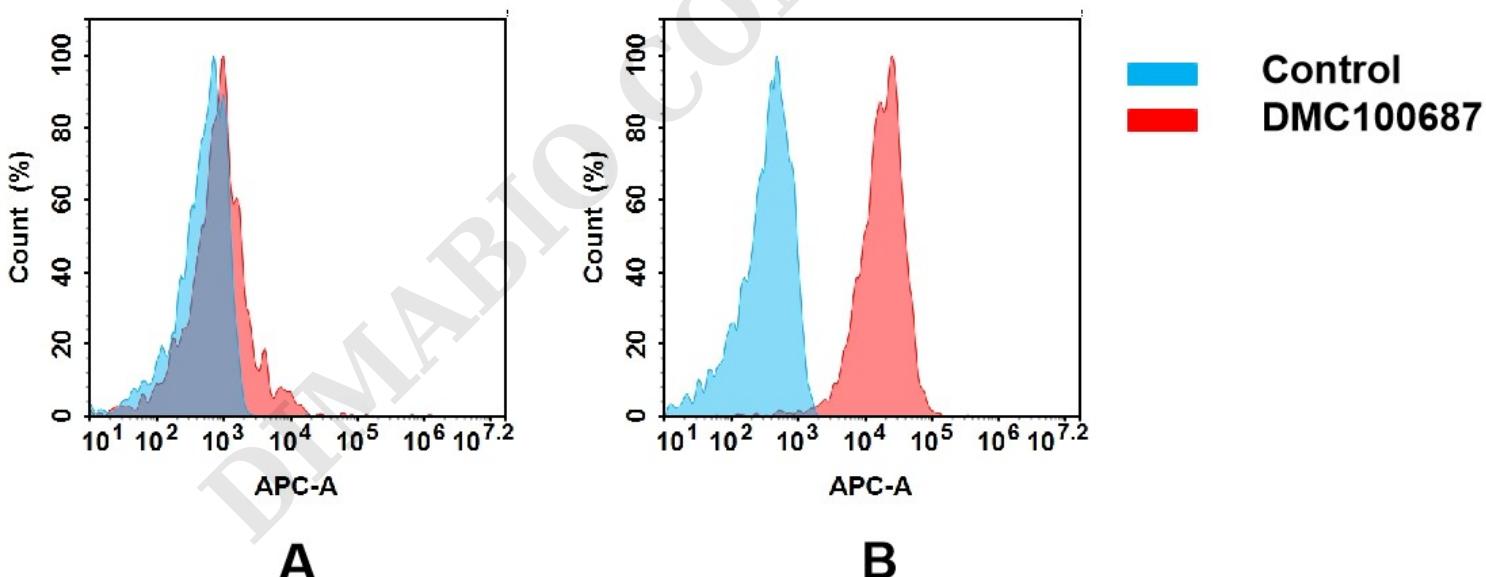


Figure 2. Flow cytometry analysis of antigen binding of anti-human CXADR mAb(DMC100687).

(A) DMC100687 does not bind to K562 cells that do not express CXADR.

(B) A clear peak shift of DMC100687 was seen compared to the control when incubated with CXADR-expressing Huh7 cells, indicating strong binding of DMC100687 to CXADR. Antibodies were incubated at 5 µg/mL.



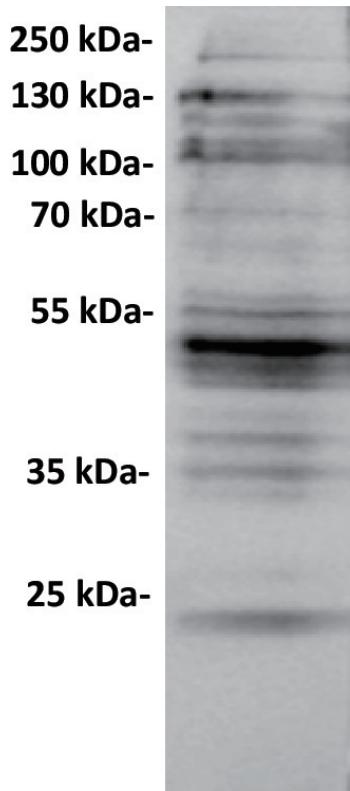


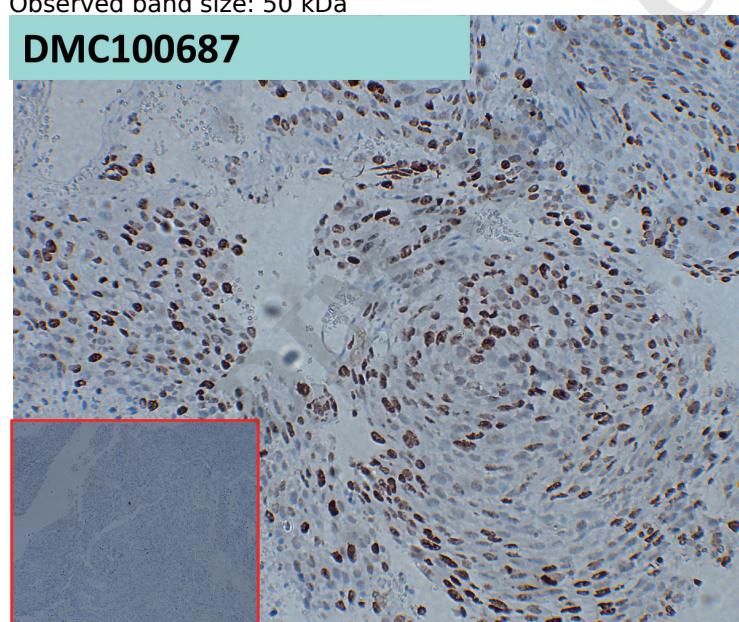
Figure 3. Anti-CXADR antibody (SKU# DMC100687) at 1/1000 dilution

Lane : Huh7, whole cell lysate

Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

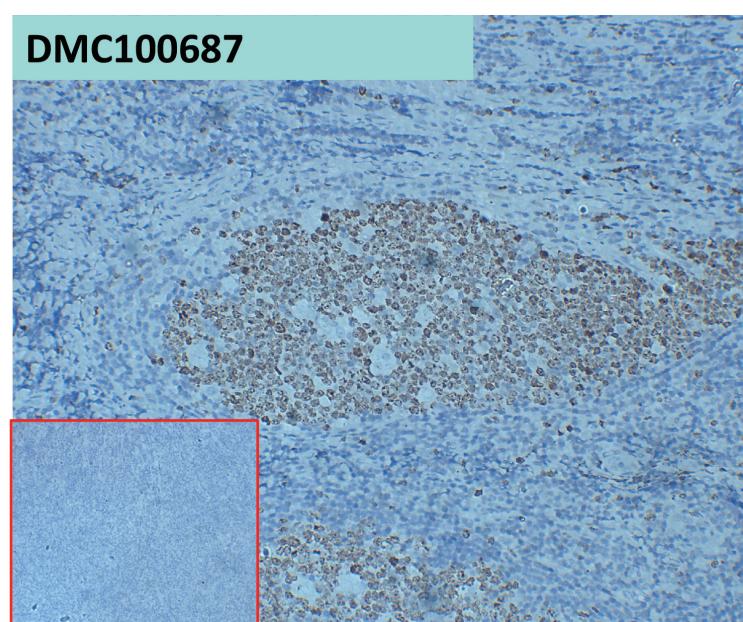
Predicted band size: 40 kDa
Observed band size: 50 kDa

DMC100687



A

DMC100687



B

Figure 4. A. DMC100687 at 10 μ g/ml staining CXADR in Huh7 xenografts in nude mice by IHC (SKU# DMC100687); B. DMC100687 at 10 μ g/ml staining CXADR in human tonsil tissue by IHC (SKU# DMC100687)

