

Datasheet for ABIN7092947

anti-EpCAM antibody (AA 24-314)



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2 Images

Overview

Quantity:	100 µg
Target:	EpCAM (EPCAM)
Binding Specificity:	AA 24-314
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This EpCAM antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA

Product Details

Immunogen:	Recombinant human EPCAM(Gln24-Gly314) (ABIN6961126) produced by using human HEK293 cells
Clone:	DM147
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EPCAM (EPCAM Products)
Background:	Synonyms:EPCAM,TACSTD1,TROP1,CD326,DIAR5,EGP2,EGP314,EGP40,ESA,GA733-

Target Details

2,HNPCC8,HNPCC-8,KS1/4,KSA,M4S1,MIC18,MK1

Description: This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy.

Molecular Weight: 34.9KDa

Application Details

Application Notes: ELISA 1/5000-10000,Flow Cyt 1/100

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.,0.1 % Procline 300

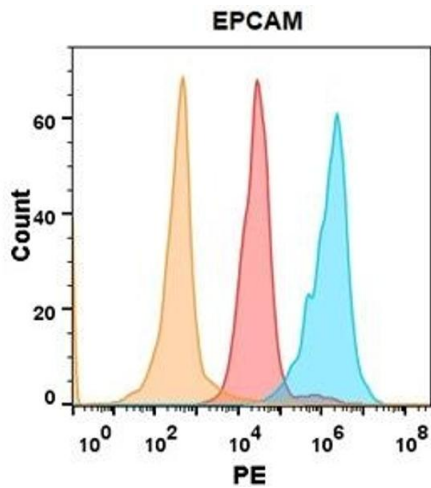
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

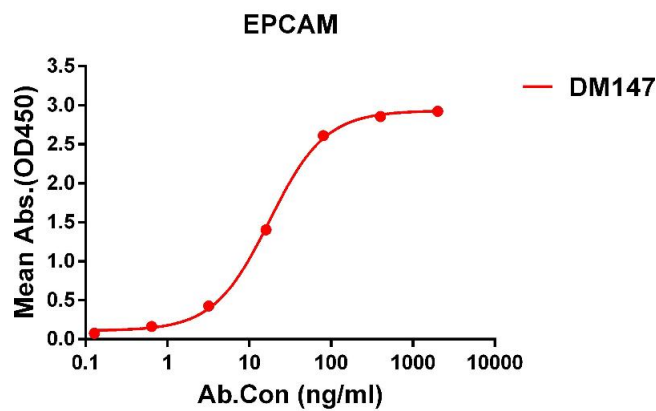
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



Flow Cytometry

Image 1. EPCAM protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-EPCAM (DM147) on Expi293 cells transfected with human EPCAM (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).



ELISA

Image 2. ELISA plate pre-coated by 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) Human EPCAM protein, His tagged protein ABIN6961126, ABIN7042281 and ABIN7042282 can bind Rabbit anti-EPCAM monoclonal antibody (clone: DM147) in a linear range of 5-100 ng/mL.