

## ARG81733 Human EpCAM ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81733-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81733-002	Standard	2 X 10 ng/vial	4°C
ARG81733-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81733-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81733-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81733-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81733-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81733-008	25X Wash buffer	20 ml	4°C
ARG81733-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81733-010	STOP solution	10 ml (Ready to use)	4°C
ARG81733-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81733 Human EpCAM ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human EpCAM in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	EpCAM
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.2%
Alternate Names	MIC18; EGP; Tumor-associated calcium signal transducer 1; Epithelial glycoprotein 314; KSA; Ep-CAM; Epithelial cell surface antigen; Adenocarcinoma-associated antigen; HNPCC8; Cell surface glycoprotein Trop-1; EGP40; TACSTD1; KS1/4; hEGP314; Major gastrointestinal tumor-associated protein GA733-2; M4S1; MK-1; Epithelial glycoprotein; KS 1/4 antigen; ESA; DIAR5; EGP314; Epithelial cell adhesion molecule; EGP-2; TROP1; CD antigen CD326

## Application Instructions

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Assay Time	~ 5 hours
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## Properties

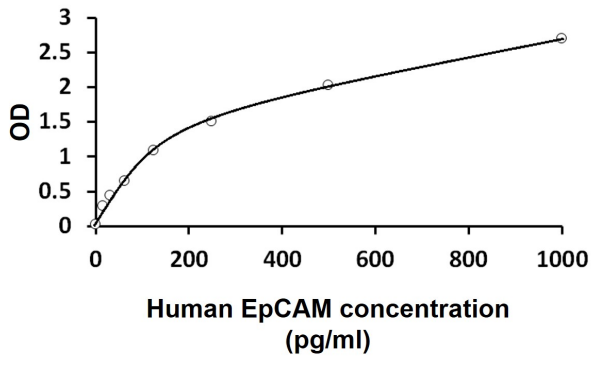
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	EPCAM
Gene Full Name	epithelial cell adhesion molecule
Background	EpCAM is 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. [provided by RefSeq, Dec 2008]
Function	EpCAM may act as a physical homophilic interaction molecule between intestinal epithelial cells (IECs) and intraepithelial lymphocytes (IELs) at the mucosal epithelium for providing immunological barrier as a first line of defense against mucosal infection. Plays a role in embryonic stem cells proliferation and differentiation. Up-regulates the expression of FABP5, MYC and cyclins A and E. [UniProt]
Highlight	Related products: <a href="#">EpCAM antibodies</a> ; <a href="#">EpCAM ELISA Kits</a> ; <a href="#">EpCAM Duos / Panels</a> ; <a href="#">EpCAM recombinant proteins</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Hyperglycosylated in carcinoma tissue as compared with autologous normal epithelia. Glycosylation at Asn-198 is crucial for protein stability. [UniProt]



ARG81733 Human EpCAM ELISA Kit standard curve image

ARG81733 Human EpCAM ELISA Kit results of a typical standard run with optical density reading at 450 nm.