

# **Product datasheet**

info@arigobio.com

## ARG81954 Human CD239 ELISA Kit

Package: 96 wells Store at: 4°C

## Component

Cat. No.	Component Name	Package	Temp
ARG81954-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81954-002	Standard	2 X 10 ng/vial	4°C
ARG81954-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81954-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81954-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81954-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81954-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81954-008	25X Wash buffer	20 ml	4°C
ARG81954-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81954-010	STOP solution	10 ml (Ready to use)	4°C
ARG81954-011	Plate sealer	4 strips	Room temperature

### **Summary**

**Product Description** ARG81954 Human CD239 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human

CD239 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 CD239

Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

Sensitivity 78 pg/ml

Sample Type Serum, plasma (heparin, EDTA) and cell culture supernatants.

Standard Range 156 - 10000 pg/ml

Sample Volume  $100 \ \mu l$ 

Precision Intra-Assay CV: 6.2%; Inter-Assay CV: 6.8%

Alternate Names MSK19; Auberger B antigen; F8/G253 antigen; Lutheran antigen; Basal cell adhesion molecule; LU; AU;

CD239; B-CAM cell surface glycoprotein; Lutheran blood group glycoprotein; CD antigen CD239

#### **Application Instructions**

Assay Time ~ 5 hours

#### **Properties**

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

Gene Symbol BCAM

Gene Full Name basal cell adhesion molecule (Lutheran blood group)

Background This gene encodes Lutheran blood group glycoprotein, a member of the immunoglobulin superfamily

and a receptor for the extracellular matrix protein, laminin. The protein contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. This protein may play a role in epithelial cell cancer and in vaso-occlusion of red blood cells in sickle cell disease. Polymorphisms in this gene define some of the antigens in the Lutheran system and also the Auberger system. Inactivating variants of this gene result in the recessive Lutheran null phenotype, Lu(a-b-), of the Lutheran blood group. Two transcript variants encoding different isoforms have been found

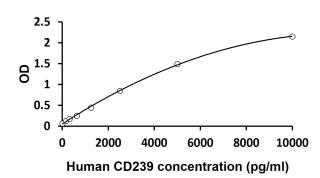
for this gene. [provided by RefSeq, May 2012]

Function Laminin alpha-5 receptor. May mediate intracellular signaling. [UniProt]

Highlight Related products:

CD239 antibodies; CD239 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

PTM Epinephrine-stimulated phosphorylation of Ser-621 by PKA enhances adhesion to laminin. [UniProt]



## ARG81954 Human CD239 ELISA Kit standard curve image

ARG81954 Human CD239 ELISA Kit results of a typical standard run with optical density reading at 450 nm.