

## ARG82746 Mouse CD99 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82746-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82746-002	Standard	2 X 10 ng/vial	4°C
ARG82746-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82746-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82746-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82746-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82746-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82746-008	25X Wash buffer	20 ml	4°C
ARG82746-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82746-010	STOP solution	10 ml (Ready to use)	4°C
ARG82746-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82746 Mouse CD99 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD99 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	CD99
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	63 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.3% Inter-Assay CV: 5.9%

**Alternate Names** 12E7; CD99 antigen; MIC2X; MIC2Y; CD antigen CD99; MSK5X; Protein MIC2; MIC2; T-cell surface glycoprotein E2; HBA71; E2 antigen

## Application Instructions

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**Assay Time** ~ 5 hours

## 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** CD99

**Gene Full Name** CD99 molecule

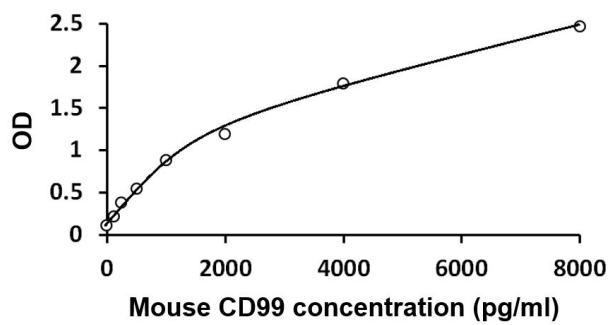
**Background** The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2013]

**Function** Involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1. Involved in T-cell adhesion processes (By similarity). [UniProt]

**Highlight** Related products:  
[CD99 antibodies](#); [CD99 ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**PTM** Extensively O-glycosylated. [UniProt]

**Cellular Localization** Membrane; Single-pass type I membrane protein. [UniProt]



ARG82746 Mouse CD99 ELISA Kit standard curve image

ARG82746 Mouse CD99 ELISA Kit results of a typical standard run with optical density reading at 450 nm.