ARG56052
anti-CD99 antibody [HO36-1.1]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [HO36-1.1] recognizes CD99
Tested Reactivity	Hu, Rat
Tested Application	FACS, ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	HO36-1.1
Isotype	IgM, kappa
Target Name	CD99
Species	Human
Immunogen	Purified E-rosette forming cells from Human peripheral blood lymphocytes.
Conjugation	Un-conjugated
Alternate Names	12E7; CD99 antigen; MIC2X; MIC2Y; CD antigen CD99; MSK5X; Protein MIC2; MIC2; T-cell surface glycoprotein E2; HBA71; E2 antigen

Application Instructions

Application table

Application	Dilution
FACS	5 - 10 µl/10^6 cells
ICC/IF	0.5 - 1 µg/ml
IHC-P	1 - 2 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

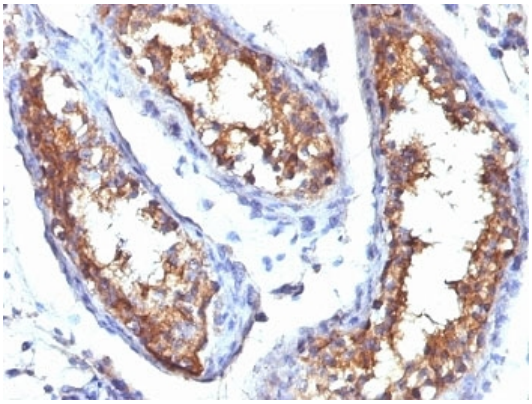
Form	Liquid
Purification	PEG precipitation
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

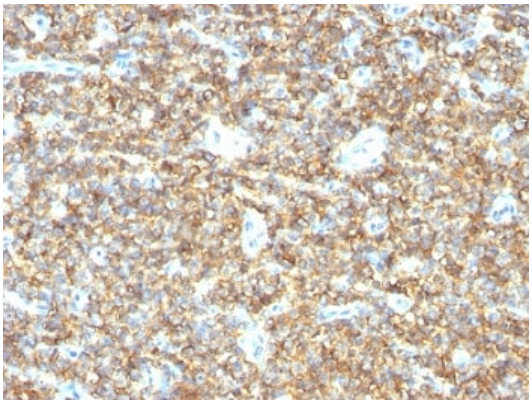
Database links	GeneID: 4267 Human Swiss-port # P14209 Human
Gene Symbol	CD99
Gene Full Name	CD99 molecule
Background	CD99 is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus. [provided by RefSeq, Mar 2016]
Function	CD99 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. [UniProt]
Calculated Mw	19 kDa
PTM	Extensively O-glycosylated.
Cellular Localization	Cell surface

Images



ARG56052 anti-CD99 antibody [HO36-1.1] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human testicular carcinoma stained with ARG56052 anti-CD99 antibody [HO36-1.1].



ARG56052 anti-CD99 antibody [HO36-1.1] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human Ewing's sarcoma stained with ARG56052 anti-CD99 antibody [HO36-1.1].