

Rabbit anti-Human, Mouse CD99 Polyclonal Antibody | anti-CD99 antibody

CD99 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326525	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

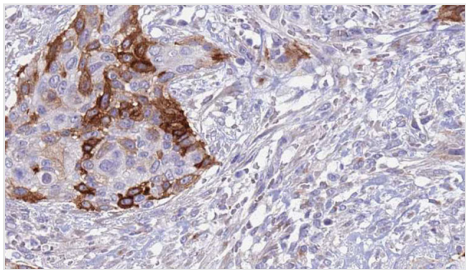
PRODUCT SYNONYMS

CD99; Polyclonal Antibody; CD99 Antibody; 12E7; Antigen identified by monoclonal 12E7; Y homolog; Antigen identified by monoclonal antibodies 12E7; F21 and O13; CD99 antigen; CD99 molecule; CD99_HUMAN; Cell surface antigen 12E7; Cell surface antigen HBA 71; Cell surface antigen O13; E2 antigen; HBA71; MIC 2X; MIC 2Y; MIC2 (monoclonal antibody 12E7); MIC2; MIC2X; MIC2Y; MSK5X; Protein MIC2; Surface antigen MIC2; T cell surface glycoprotein E2; T-cell surface glycoprotein E2; anti-CD99 antibody

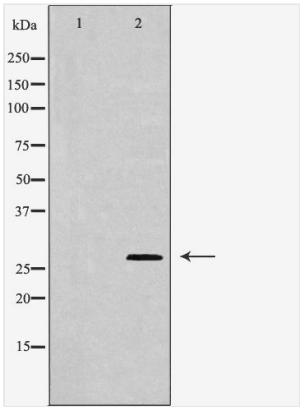
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CD99 antibody detects endogenous levels of total CD99
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	169
Applicable Applications for anti-CD99 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD99
Subcellular Location	Membrane.
Predicted Cross Reactivity	Bovine
Similarity	Bovine (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326525 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of U937 cell lysate, using CD99 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CD99 antibody	Description: 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] 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). Post-translational Modifications: Extensively O-glycosylated. Similarity: Belongs to the CD99 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171543879
NCBI GeneID	4267
NCBI Accession #	NP_001116370.1
NCBI GenBank Nucleotide #	NM_001122898.2
UniProt Accession #	P14209; O00518; Q6ICV7; A6NIW1
Molecular Weight	Observed: 28 kDa Predicted: 19 kDa
NCBI Official Full Name	CD99 antigen isoform b
NCBI Official Synonym Full Names	CD99 molecule (Xg blood group)
NCBI Official Symbol	CD99
NCBI Official Synonym Symbols	MIC2; HBA71; MIC2X; MIC2Y; MSK5X
NCBI Protein Information	CD99 antigen
UniProt Protein Name	CD99 antigen
UniProt Gene Name	CD99
UniProt Synonym Gene Names	MIC2; MIC2X; MIC2Y

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd99-antibody-immunohistochemistry-western-blot-elisa/326525>