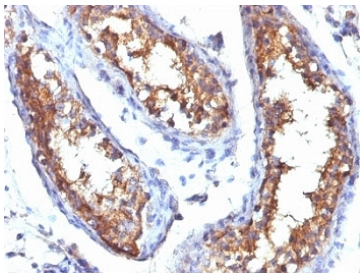
CD99 Antibody [clone HO36-1.1] (V2706)

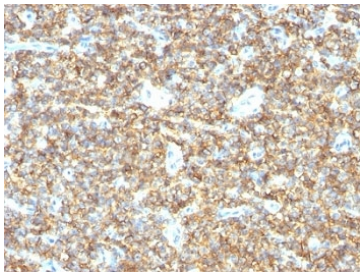
Catalog No.	Formulation	Size
V2706-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2706-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2706SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2706IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Citations (13) **Bulk quote request**

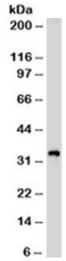
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	HO36-1.1
Purity	PEG precipitation
UniProt	P14209
Localization	Cell surface
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 1-2ug/ml
Limitations	This CD99 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human testicular carcinoma stained with CD99 antibody (HO36-1.1).



IHC: Formalin-fixed, paraffin-embedded human Ewing's sarcoma stained with CD99 antibody (HO36-1.1).



Western blot testing of Jurkat cell lysate with CD99 antibody (clone HO36-1.1). Expected molecular weight: ~20/32kDa (unmodified/glycosylated).

Description

CD99 is 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. [UniProt]

Application Notes

Optimal dilution of the CD99 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Purified E-rosette forming cells from human peripheral blood lymphocytes were used as the immunogen for the CD99 antibody.

Storage

Store the CD99 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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