

## CD99 Antibody [clone HO36-1.1] (V2706)

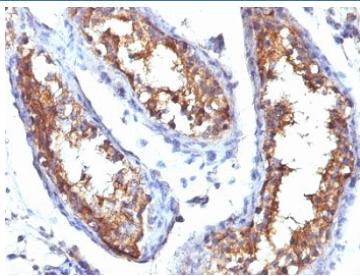
Catalog No.	Formulation	Size
V2706-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2706-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2706SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2706IHC-7ML	Prediluted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



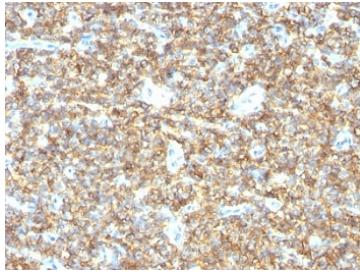
Citations (13)

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgM, kappa
<b>Clone Name</b>	HO36-1.1
<b>Purity</b>	PEG precipitation
<b>UniProt</b>	P14209
<b>Localization</b>	Cell surface
<b>Applications</b>	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
<b>Limitations</b>	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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

