

# Product Datasheet

## CD99 Antibody (HO36-1.1) - Azide and BSA Free NBP2-47894-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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**NBP2-47894-0.1mg**

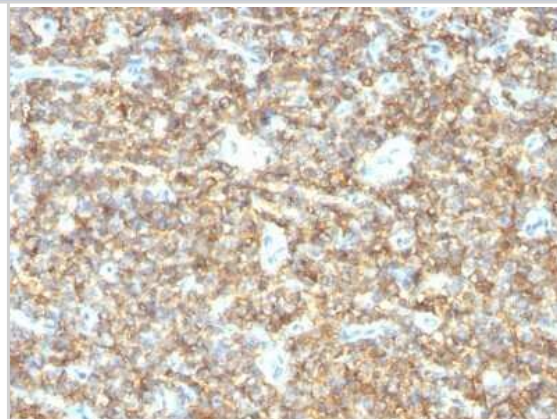
CD99 Antibody (HO36-1.1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HO36-1.1
Preservative	No Preservative
Isotype	IgM Kappa
Purity	Protein L purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	Purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS WITHOUT BSA & azide at 1.0 mg/ml.
Host	Mouse
Gene ID	4267
Gene Symbol	CD99
Species	Human, Rat
Marker	Ewing's Sarcoma Marker
Specificity/Sensitivity	Recognizes a sialoglycoprotein of 27-32kDa, identified as CD99, or MIC2 gene product, or E2 antigen. MIC2 gene is located in the pseudo-autosomal region of the human X and Y chromosome. MIC2 gene encodes two distinct proteins, which are produced by alternative splicing of the CD99 gene transcript and are identified as bands of 30 and 32kDa (p30/32). Although its function is not fully understood, CD99 is implicated in various cellular processes including homotypic aggregation of T cells, upregulation of T cell receptor and MHS molecules, apoptosis of immature thymocytes and leukocyte diapedesis. CD99 is expressed on the cell membrane of some lymphocytes, cortical thymocytes, and granulosa cells of the ovary. Most pancreatic islet cells, Sertoli cells of the testis, and some endothelial cells express this antigen. Mature granulocytes express very little or no CD99. MIC2 is strongly expressed on Ewings sarcoma cells and primitive peripheral neuroectodermal tumors. This MAbs shows a very similar reactivity to other CD99 MAbs (e.g. O13, 12E7, or HBA-71) and is excellent for immunohistochemical staining of formalin-fixed, paraffin-embedded tissues.
Immunogen	Purified E-rosette forming cells from human peripheral blood lymphocytes
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry 5 - 10 ul/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1 ug/ml, Immunohistochemistry-Paraffin 1 - 2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

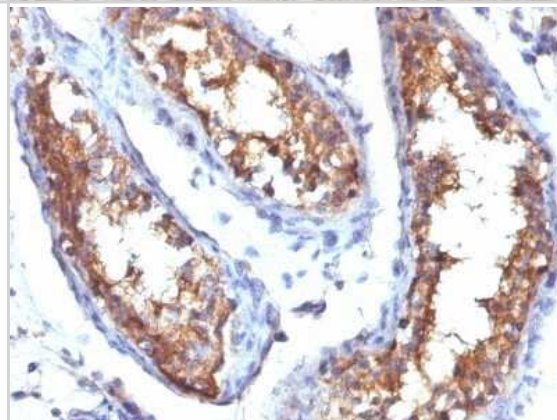


## Images

Immunohistochemistry-Paraffin: CD99 Antibody (HO36-1.1) - Azide and BSA Free [NBP2-47894] - Human Ewing's Sarcoma stained with CD99 Monoclonal Antibody (HO36-1.1).



Immunohistochemistry-Paraffin: CD99 Antibody (HO36-1.1) - Azide and BSA Free [NBP2-47894] - Human Testicular Carcinoma stained with CD99 Monoclonal Antibody (HO36-1.1).





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### **Products Related to NBP2-47894-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96975-0.5mg	Mouse IgM Kappa Light Chain Isotype Control (MMK)
NBP1-82650PEP	CD99 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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