

Product Datasheet

CD59 Antibody (193-27)

NBP2-44698-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44698-0.1mg

CD59 Antibody (193-27)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	193-27
Preservative	0.05% Sodium Azide
Isotype	IgM Kappa
Purity	Protein L or PEG purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	20 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate. Prepared in 10 mM PBS with 0.05% BSA % 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml.(NBP3-11474) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	966
Gene Symbol	CD59
Species	Human, Baboon (Negative), Equine (Negative)
Reactivity Notes	Does not react with Baboon or Equine.
Specificity/Sensitivity	Reacts with human CD59, a 20kDa glycosyl phosphatidyl-inositol (GPI)-anchored cell surface protein (Workshop VI; Code N-L036). CD59 regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. CD59 is widely distributed on cells in all tissues. It inhibits formation of MAC, thus protecting cells from complement-mediated lysis. The expression of CD59 on erythrocytes is important for their survival. Genetic defects in GPI-anchor attachment, that cause a reduction or loss of CD59 and CD55 on erythrocytes produce the symptoms of the disease paroxysmal hemoglobinuria (PNH). This monoclonal antibody recognizes CD59 transfected cells. It is useful for study on GPI-anchored proteins, PNH and CD59 functions.
Immunogen	Stimulated human leukocytes

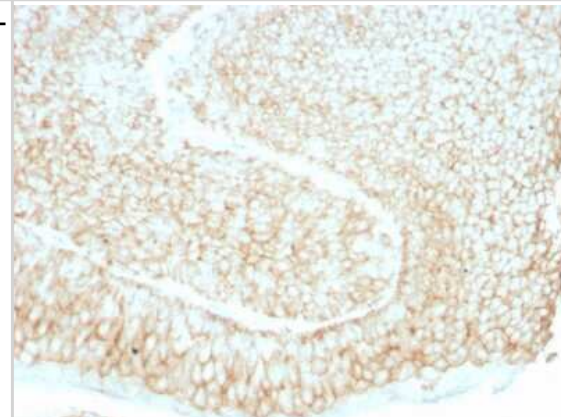
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Immunofluorescence



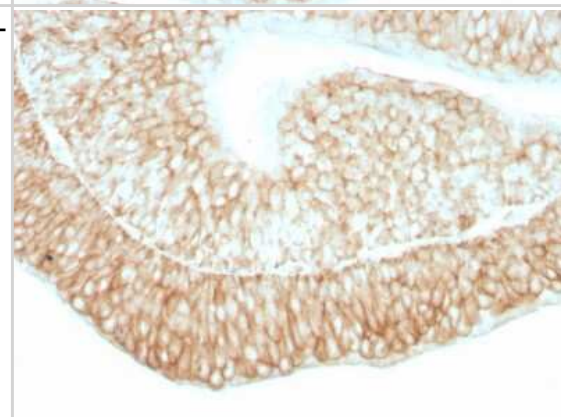
Recommended Dilutions	Western Blot 1:500-1000, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunoprecipitation 2-4 ug/mg, Immunohistochemistry-Paraffin, Immunofluorescence 0.5 - 1.0 ug/ml
Application Notes	Optimal dilution for a specific application should be determined.

Images

Immunohistochemistry-Paraffin: CD59 Antibody (193-27) [NBP2-44698] - Formalin-fixed, paraffin-embedded human bladder stained with CD59 Antibody (193-27).



Immunohistochemistry-Paraffin: CD59 Antibody (193-27) [NBP2-44698] - Formalin-fixed, paraffin-embedded human bladder stained with CD59 Antibody (193-27).





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Products Related to NBP2-44698-0.1mg

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)
NBP1-89405PEP	CD59 Recombinant Protein Antigen

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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