

Product Datasheet

CD59 Antibody (MACIF/629) - IHC-Prediluted NBP2-48466

Unit Size: 7 ml

Store at 4C.

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NBP2-48466

CD59 Antibody (MACIF/629) - IHC-Prediluted

Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MACIF/629
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	20 kDa

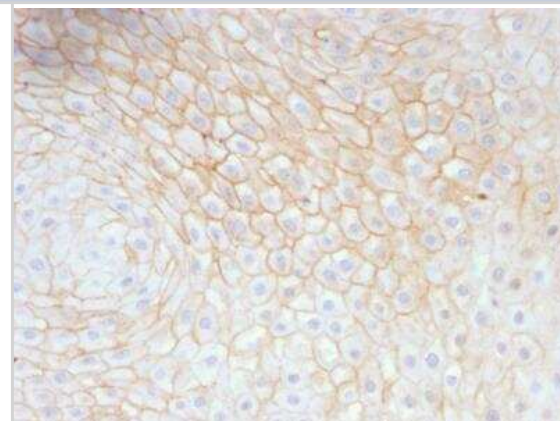
Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Mouse
Gene ID	966
Gene Symbol	CD59
Species	Human
Specificity/Sensitivity	Reacts with human CD59, a 20kDa glycosyl phosphatidyl-inositol (GPI)-anchored cell surface protein. 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 is useful for study on GPI-anchored proteins, PNH and CD59 functions.
Immunogen	Human K562 tumor cells

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes 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.

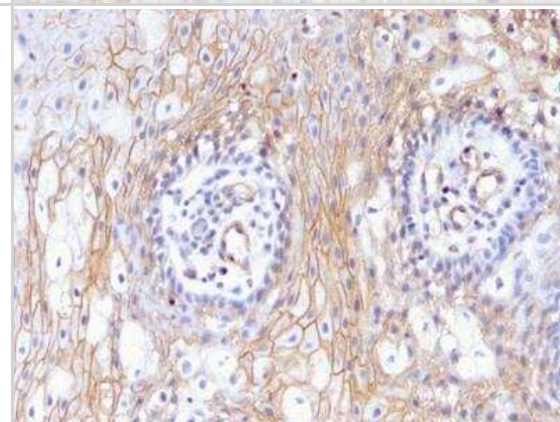


Images

Immunohistochemistry-Paraffin: CD59 Antibody (MACIF/629) - IHC-Prediluted [NBP2-48466] - Formalin-fixed, paraffin-embedded human Tongue stained with CD59 Mouse Monoclonal Antibody (MACIF/629).



Immunohistochemistry-Paraffin: CD59 Antibody (MACIF/629) - IHC-Prediluted [NBP2-48466] - Formalin-fixed, paraffin-embedded human Tongue stained with CD59 Mouse Monoclonal Antibody (MACIF/629).





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Products Related to NBP2-48466

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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