Product Datasheet

CD59 Antibody (BRA-10G)
NBP2-44699-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Publications: 1

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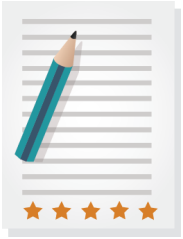
Updated 10/23/2024 v.20.1



NBP2-44699-0.1mg

CD59 Antibody (BRA-10G)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	BRA-10G
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	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. (NBP3-11460) 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
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	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Block/Neutralize, Immunofluorescence
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml, Block/Neutralize
Application Notes	Optimal dilution for a specific application should be determined. Use in B/N reported in scientific literature (PMID:33498226)

Publications

Garcia EM, Serrano MG, Edupuganti L, et al. Sequence Comparison of Vaginolysin from Different Gardnerella Species Pathogens (Basel, Switzerland) 2021-01-20 [PMID: 33498226] (B/N, Human)

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Products Related to NBP2-44699-0.1mg

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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