

Product Datasheet

CD59 Antibody (BRA-10G) [Janelia Fluor® 549] NBP3-11460JF549

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP3-11460JF549

CD59 Antibody (BRA-10G) [Janelia Fluor® 549]

| Product Information | |
|-----------------------------|---|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | BRA-10G |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Conjugate | Janelia Fluor 549 |
| Purity | Protein G purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| 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 |
| Notes | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus. |
| Product Application Details | |
| Applications | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Block/Neutralize, Immunofluorescence |
| Recommended Dilutions | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunofluorescence, Block/Neutralize |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP3-11460JF549

| | |
|---------------|----------------------------------|
| NBP1-89405PEP | CD59 Recombinant Protein Antigen |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 1987-CD-050 | CD59 |
| 202-IL-010 | IL-2 [Unconjugated] |

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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