

# Product Datasheet

## CD21 Antibody (Bu33) - BSA Free NB100-63574

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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### Publications: 1

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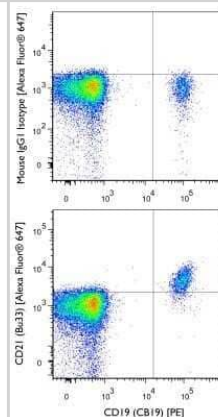
**NB100-63574**

CD21 Antibody (Bu33) - BSA Free

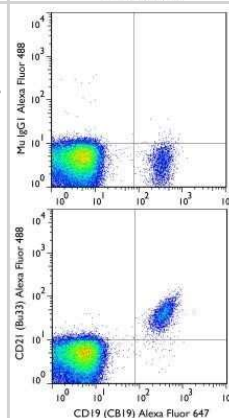
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	Bu33
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	1380
<b>Gene Symbol</b>	CR2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Predicted cross-reactivities: Equine
<b>Marker</b>	Histiocytic Marker
<b>Specificity/Sensitivity</b>	NB100-63574 recognizes human CD21, a 145kD cell surface glycoprotein expressed by mature B lymphocytes, follicular dendritic cells, subsets of normal thymocytes and subsets of T cells. The CD21 molecule acts as a receptor for CD23, for complement components C3d, C3dg and iC3b and for Epstein Barr Virus. CD21 is part of the signalling complex that is linked to CD19, CD81 and phosphatidylinositol-3-kinase.
<b>Immunogen</b>	Made to Human CD21
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Flow Cytometry 1:50-1:200, Immunohistochemistry-Paraffin

## Images

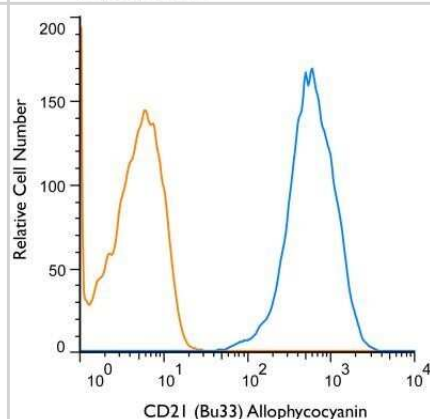
Flow Cytometry: CD21 Antibody (Bu33) [NB100-63574] - Flow Cytometry: CD21 Antibody (Bu33) [Alexa Fluor 647] [NB100-63574AF647] - A surface stain was performed on human peripheral blood lymphocytes with CD21 (Bu33) antibody NB100-63574AF647 and a matched isotype control NBP2-27287AF647. Cells were incubated in an antibody dilution of 2 ug/mL for 20 minutes at room temperature. A co-stain was performed with NBP2-26646. Image using the Alexa Fluor 647 form of this antibody.



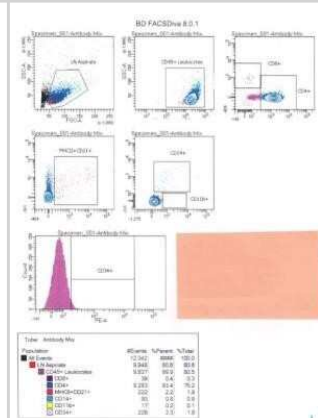
Flow Cytometry: CD21 Antibody (Bu33) [NB100-63574] - Using the Alexa Fluor 488 direct conjugate A surface stain was performed on human peripheral blood lymphocytes with CD21 (Bu33) antibody NB100-63574AF488 and a matched isotype control. Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. A co-stain was performed with NBP2-25196AF647.



Flow Cytometry: CD21 Antibody (Bu33) [NB100-63574] - Using the Allophycocyanin direct conjugate A cell surface stain was performed on Daudi cells with CD21 Antibody (Bu33) NB100-63574APC (blue) and a matched isotype control NBP2-27287APC (orange). Cells were incubated in an antibody dilution of 0.5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to allophycocyanin.



Flow Cytometry: CD21 Antibody (Bu33) [NB100-63574] - Flow Cytometry: CD21 Antibody (Bu33) [Alexa Fluor 647] [NB100-63574AF647] - Immunophenotyping with Canine whole blood. image courtesy of customer. Image using the Alexa Fluor 647 form of this antibody.



## Publications

Leeth C, Adkins J, Hay A Et al. Engrafting Horse Immune Cells into Mouse Hosts for the Study of the Acute Equine Immune Responses Animals : an open access journal from MDPI 2021-10-14 [PMID: 34679981]



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### **Products Related to NB100-63574**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-63574AF647	CD21 Antibody (Bu33) [Alexa Fluor® 647]

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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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