

# Product Datasheet

## **Siglec-2/CD22 Antibody (hL22 (Epratuzumab)) - Azide and BSA Free** **NBP2-75188**

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP2-75188**

Siglec-2/CD22 Antibody (hL22 (Epratuzumab)) - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	hL22 (Epratuzumab)
Preservative	0.02% Proclin 300
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Human Siglec-2/CD22 Antibody (hL22 (Epratuzumab)) - Azide and BSA Free (NBP2-75188) is a monoclonal antibody validated for use in Flow and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Human
Gene ID	933
Gene Symbol	CD22
Species	Human, Cynomolgus Monkey, Rhesus Macaque
Specificity/Sensitivity	This antibody is specific for the 3rd Ig-like domain of human CD22 (epitope B), a cell surface glycoprotein present on mature B-cells and on many types of malignant B-cells.
Immunogen	This antibody was prepared by the humanization of LL2 (EPB-2), a murine anti-CD22 IgG2a raised against Raji Burkitt lymphoma cells. Murine sequences comprise 5-10% of the molecule, with the remainder being human framework sequences, which greatly reduces the potential for immunogenicity (Traczewski, 2010).

Product Application Details	
Applications	Flow Cytometry, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Flow Cytometry 1:10 - 1:1000, Immunoprecipitation 1:10 - 1:500, Block/Neutralize
Application Notes	Epratuzumab binds to the third extracellular domain of CD22, inducing CD22 phosphorylation, resulting in negative modulation of BCR activation, and rapid CD22 internalization, leading to modulation of B-cell homing (Traczewski, 2010). Initial phase II and two terminated early phase III studies suggest that the use of this antibody to treat systemic lupus erythematosus is effective and well tolerated, but both phase III trials failed to meet primary clinical efficacy endpoints. Additionally, in vitro studies and clinical trials indicate that this antibody can be used in combination therapy with another inhibitor of B-cell activity, rituximab (anti-CD20), in the treatment of non-Hodgkin lymphoma (Traczewski, 2010).





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### **Products Related to NBP2-75188**

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G-102-C	Goat anti-Human IgG Secondary Antibody [Unconjugated]
NB7446	Goat anti-Human IgG Fc Secondary Antibody
NBP3-06872-0.1mg	Human IgG1 Kappa Isotype Control
NBP1-87041PEP	Siglec-2/CD22 Recombinant Protein Antigen

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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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