

# Product Datasheet

## **B7-1/CD80 Antibody (IDEC-114 (Galiximab)) - Azide and BSA Free** **NBP2-81099-0.2mg**

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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**NBP2-81099-0.2mg**

B7-1/CD80 Antibody (IDEC-114 (Galiximab)) - 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                       | IDEC-114 (Galiximab)   |
| Preservative                | 0.02% Proclin 300  |
| Isotype                     | IgG1 Lambda  |
| Purity                      | Protein A purified   |
| Buffer                      | PBS  |
| Product Description         |  |
| Description                 | Novus Biologicals Human B7-1/CD80 Antibody (IDEC-114 (Galiximab)) - Azide and BSA Free (NBP2-81099) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA, Flow and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.   |
| Host                        | Human  |
| Gene ID                     | 941  |
| Gene Symbol                 | CD80   |
| Species                     | Human  |
| Specificity/Sensitivity     | Galiximab is a primatized mAb which consists of human constant and primate (cynomolgus macaque) variable regions and binds specifically to B7-1/CD80. B7-1/CD80 is a surface glycoprotein and a member of the B7 family of costimulatory molecules. B7-1/CD80 antigen regulates T cell activation (through interacting with CD28 or CD152) and is expressed transiently in antigen-presenting cells, T cells and normal B cells, and expressed constitutively on various subtypes of B-cell lymphomas. |
| Immunogen                   | Galiximab was prepared by immunizing cynomolgus monkeys with recombinant B7-1/CD80 antigen. The variable regions of the light and heavy chains were then cloned by being incorporated into a cassette vector (N5LG1) containing human constant region genes and subsequently transfected into the Dg44 CHO cell line (Hariharan K, 2013)   |
| Product Application Details |  |
| Applications                | Western Blot, ELISA, Flow Cytometry, Functional, Immunohistochemistry, Immunoprecipitation, Block/Neutralize   |
| Recommended Dilutions       | Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunoprecipitation, Functional, Block/Neutralize   |
| Application Notes           | Galiximab acts to decrease in cell proliferation, inhibition of the constitutively active NF-kappaB pathway, increase in apoptosis and ADCC against various B-cell lymphoma cell lines. Galiximab affects CD28 and CD152 interactions with CD80. This antibody can also be used for FC, WB, ELISA, IP and IHC.   |





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### **Products Related to NBP2-81099-0.2mg**

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|            |   |
|------------|---|
| G-102-C    | Goat anti-Human IgG Secondary Antibody [Unconjugated] |
| NB7446     | Goat anti-Human IgG Fc Secondary Antibody             |
| NBP2-26578 | Recombinant Mouse B7-1/CD80 Protein                   |
| 210-TA-005 | TNF-alpha [Unconjugated]                              |

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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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