

# Product Datasheet

## **B7-1/CD80 Antibody (IDE-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 (IDECK-114 (Galiximab)) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	IDECK-114 (Galiximab)
<b>Preservative</b>	0.02% Proclin 300
<b>Isotype</b>	IgG1 Lambda
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

**Product Description**

<b>Description</b>	Novus Biologicals Human B7-1/CD80 Antibody (IDECK-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.
<b>Host</b>	Human
<b>Gene ID</b>	941
<b>Gene Symbol</b>	CD80
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	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**

<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Functional, Immunohistochemistry, Immunoprecipitation, Block/Neutralize
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunoprecipitation, Functional, Block/Neutralize
<b>Application Notes</b>	Galiximab acts to decrease in cell proliferation, inhibition of the constitutively active NF- $\kappa$ B 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

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]

## 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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