

# Product Datasheet

## **B7-1/CD80 Antibody (IDE-114 (Galiximab)) [Alexa Fluor® 647] NBP2-81099AF647**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81099AF647**

B7-1/CD80 Antibody (IDECK-114 (Galiximab)) [Alexa Fluor® 647]

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	IDECK-114 (Galiximab)
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Lambda
<b>Conjugate</b>	Alexa Fluor 647
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate

**Product Description**

<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)

**Notes**

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**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>	Optimal dilution of this antibody should be experimentally determined.

**Images**

B7-1/CD80 Antibody (IDE-114 (Galiximab)) [Alexa Fluor® 647] [NBP2-81099AF647] - Vial of Alexa Fluor 647 conjugated antibody. Alexa Fluor 647 is optimally excited at 653 nm by the Red laser (633 or 640 nm) and has an emission maximum of 669 nm.





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## Products Related to NBP2-81099AF647

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
NBP2-26578	Recombinant Mouse B7-1/CD80 Protein
210-TA-005	TNF-alpha [Unconjugated]
740-B1-100	B7-1/CD80 [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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