

Product Datasheet

B7-1/CD80 Antibody (IDEC-114 (Galiximab)) - Chimeric - Azide and BSA Free NBP2-81100-0.2mg

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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NBP2-81100-0.2mg

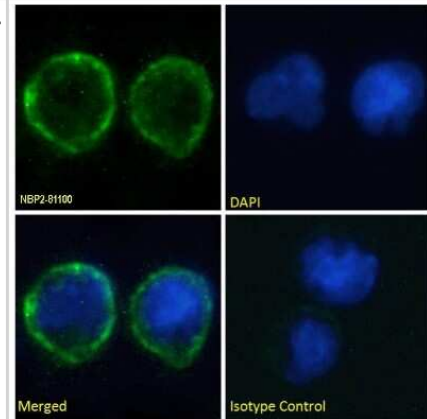
B7-1/CD80 Antibody (IDEC-114 (Galiximab)) - Chimeric - Azide and BSA Free

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	IgG Lambda
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
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, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Functional, Block/Neutralize
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques. 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. Galiximb affects CD28 and CD152 interactions with CD80. This antibody can also be used for FC, WB, ELISA, IP and IHC.



Images

Immunocytochemistry/Immunofluorescence: B7-1/CD80 Antibody (IDEC-114 (Galiximab)) - Chimeric [NBP2-81100] - Immunofluorescence staining of fixed Daudi cells with B7-1/CD80 Antibody (IDEC-114 (Galiximab)) [NBP2-81100]. Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips, permeabilized with 0.15% Triton and stained with the chimeric rabbit IgG version of IDEC-114 (Galiximab) [NBP2-81100] at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (1 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP2-81100, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor 488 secondary antibody.





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Products Related to NBP2-81100-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
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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