Anti-CD80 [IDEC-114 (Galiximab)] Standard Size Ab00736-10.0

Isotype and Format: Human IgG1, Lambda

Clone Number: IDEC-114 (Galiximab)

Alternative Name(s) of Target: B7-1; T-lymphocyte activation antigen CD80; Activation B7-1 antigen; BB1; CTLA-4 counter-receptor B7.1; B7

UniProt Accession Number of Target Protein: P33681

Published Application(s): IP, modulate, WB, Block, ELISA, FC, IHC

Published Species Reactivity: Human

Immunogen: Galiximab was prepared by immunizing cynomolgus monkeys with recombinant 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)

Specificity: Galiximab is a primatized mAb which consists of human constant and primate (cynomolgus macaque) variable regions and binds specifically to CD80. CD80 is a surface glycoprotein and a member of the B7 family of costimulatory molecules. 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 consitutively on various subtypes of B-cell lymphomas.

Application Notes: Galiximab acts to decrease in cell proliferation, inhibition of the constitutively active NF-κB 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.

Antibody First Published in: Vinjamaram et al. The use of galiximab in non-Hodgkin lymphoma. Clin Lymphoma Myeloma. 2008 Oct;8(5):277-82 PMID:18854281

Note on publication: Describes clinical studies where B-Cell Lymphomas in NHL patients are targeted with Galiximab.

Product Form

Size: 200 μg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4⁰C for up to 3 months. For longer storage, aliquot and store at -

20ºC.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.