

## Anti-CD80 [IDEC-114 (Galiximab)] Standard Size Ab00736-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

**Isotype and Format:** Human IgG1, Fc Silent™, 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 constitutively 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. Galiximab 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 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**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.