

AM33405PU-N**Monoclonal Antibody to CD80 - Purified****Alternate names:**

Activation B7-1 antigen, B7-1, B7.1, BB1, CD28LG, CD28LG1, CTLA-4 counter-receptor B7.1, LAB7, T-lymphocyte activation antigen CD80

Quantity:

0.1 mg

Background:

B7-1 (CD80) and B7-2, together with their receptors CD28 and CTLA4, constitute one of the dominant costimulatory pathways that regulate T and B cell responses. Although both CTLA4 and CD28 can bind to the same ligands, CTLA4 binds to B7-1 and B7-2 with a 20-100 fold higher affinity than CD28 and is involved in the downregulation of the immune response. B7-1 is expressed on activated B cells, activated T cells, and macrophages. B7-2 is constitutively expressed on interdigitating dendritic cells, Langerhans cells, peripheral blood dendritic cells, memory B cells, and germinal center B cells. Additionally, B7-2 is expressed at low levels on monocytes and can be upregulated through interferon gamma. B7-1 and B7-2 are both members of the Immunoglobulin superfamily.

Uniprot ID:

[Q00609](#)

NCBI:

[NP_033985.3](#)

GeneID:

[12519](#)

Host / Isotype:

Hamster / IgG

Clone:

MAB0713

Immunogen:

Recombinant Mouse CD80 protein.

Remarks: This antibody was produced from a hybridoma. Mouse myeloma fused with spleen cells from a Armenian Hamster immunized with recombinant Mouse CD80 protein.

Format:

State: Lyophilized purified IgG fraction from Cell Culture Supernatant

Purification: Affinity Chromatography on Protein A/G

Buffer System: PBS

Preservatives: None

Reconstitution: Restore with 0.4 ml sterile PBS to a final concentration of 0.5 mg/ml.

Applications:

Immunohistochemistry on Paraffin Sections: 1/100-1/300.

Flow Cytometry: 1/100-1/1000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Recognizes Mouse CD80. Other species not tested.

Storage:

Prior to reconstitution store at 2-8°C.

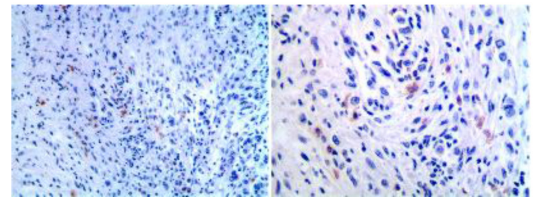
Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Formalin fixed and paraffin embedded mouse tumor section was subjected to immunohistochemistry staining (ABC) of CD80 using AM33405PU-N (Left panel: x 20; Right panel: x 40)



Formalin fixed and paraffin embedded mouse spleen tissue section was subjected to immunohistochemistry staining (ABC) of CD80 using AM33405PU-N.

