

Product datasheet for **AM33405PU-N**

Cd80 Hamster Monoclonal Antibody [Clone ID: MAB0713]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MAB0713
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 1/100-1/300. Flow Cytometry: 1/100-1/1000.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant Mouse CD80 protein.
Specificity:	Recognizes Mouse CD80. Other species not tested.
Formulation:	PBS State: Purified State: Lyophilized purified IgG fraction from Cell Culture Supernatant Preservative: None
Reconstitution Method:	Restore with 0.4 ml sterile PBS to a final concentration of 0.5 mg/ml.
Purification:	Affinity Chromatography on Protein A/G
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD80 antigen
Database Link:	Entrez Gene 12519 Mouse Q00609



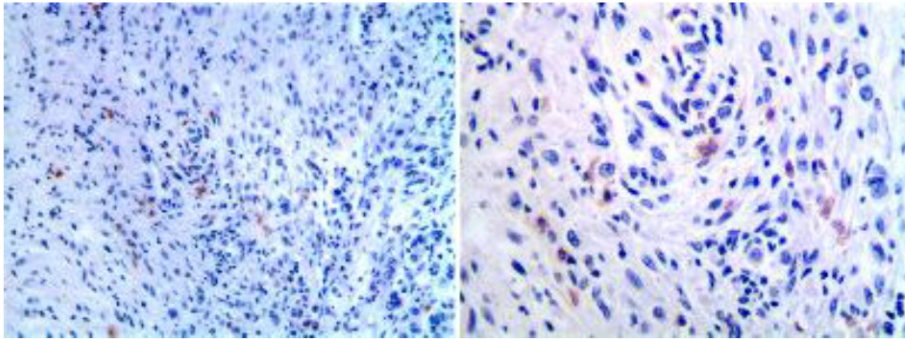
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Background:

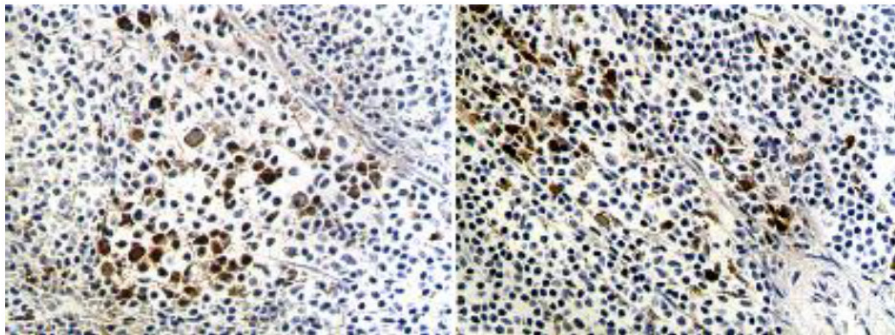
B7-1 (CD80) and B7-2, together with their receptors CD28 and CTLA4, constitute one of the dominant costimulatory pathways that regulate T and B cell responses. Although both CTLA4 and CD28 can bind to the same ligands, CTLA4 binds to B7-1 and B7-2 with a 20-100 fold higher affinity than CD28 and is involved 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.

Synonyms:

CD28LG, CD28LG1, LAB7, BB1, B7.1, B7-1

Product images:

Formalin fixed and paraffin embedded mouse tumor section was subjected to immunohistochemistry staining (ABC) of CD80 using (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.