



Product Datasheet
**Mouse CD80 Monoclonal Antibody (APC
Conjugated) (AGEL0036)**
Catalogue Code: AGEL0036

Antibody Data

Product SKU:	AGEL0036	Clone	16-10A1
Applications:	FC	Conjugate	APC
Reactivity:	Mouse		

Immunogen Information:

Gene ID: 12519

Swiss Prot: Q00609

Synonyms: T-lymphocyte activation antigen CD80, Cd80, Activation B7-1 antigen, B7

Product Information:

Host Species: Hamster

Isotype: Hamster IgG

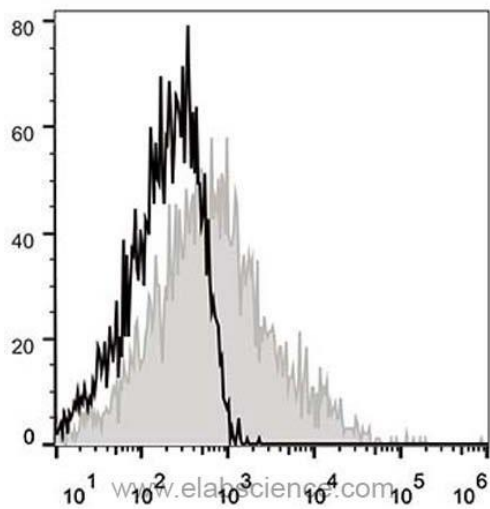
Storage: PBS with 0.05% Proclin300, 1% BSA

Recommended Dilution: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µl staining volume or per 100 µl of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Background:

CD80 is a 60 kD highly glycosylated protein. It is a member of the Ig superfamily and is also known as B7-1, B7, and Ly-53. CD80 is constitutively expressed on dendritic cells and monocytes/macrophages, and inducibly expressed on activated B and T cells. The ligation of CD28 on T cells with CD80 and CD86 (B7-2) on antigen presenting cells (such as dendritic cells, macrophages, and B cells) elicits co-stimulation of T cells resulting in enhanced cell activation, proliferation, and cytokine production. CD80 appears to be expressed later in the immune response than CD86. CD80 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.

Images:



C57BL/6 murine splenocytes are stained with Anti-Mouse CD80 Monoclonal Antibody(APC Conjugated)(filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.