

30-2545: Anti-Mouse CD80 Low Endotoxin Antibody (Clone : 16-10A1)

Clonality :	Monoclonal
Clone Name :	16-10A1
Application :	IHC(F), IP, FACS , Functional Assay
Reactivity :	Mouse
Gene :	CD80
Gene ID :	12519
Format :	Low Endotoxin
Alternative Name :	B7-1, BB1,CD80 molecule
Isotype :	Armenian Hamster IgG2
Immunogen Information :	CD80-transfected CHO cell line

Description

CD80 (B7-1) and CD86 (B7-2) are ligands of T cell critical costimulatory molecule CD28 and of an inhibitory receptor CTLA-4 (CD152). The both B7 molecules are expressed on professional antigen-presenting cells and are essential for T cell activation, the both molecules can also substitute for each other in this process. The question what are the differences in CD80 and CD86 competency has not been fully elucidated yet; there are still conflicts in results about their respective roles in initiation or sustaining of the T cell immune response.

Specificity : The Armenian hamster monoclonal antibody 16-10A1 reacts with an extracellular epitope of CD80 (B7-1), a 60 kDa single chain type I glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
	1 mg/ml
Content :	Formulation : Low endotoxin azide free phosphate buffered saline (PBS) solution, 0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.
Storage condition :	Store at 2-8°C. Do not freeze.

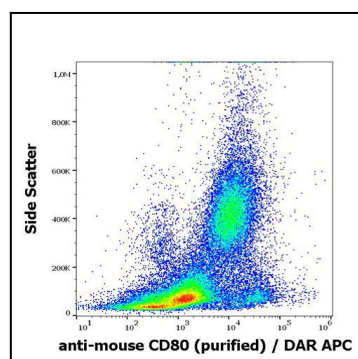


Figure 1 : Flow cytometry surface staining pattern of murine peritoneal fluid cell suspension stained using anti-mouse CD80 (16-10A1) Purified antibody (concentration in sample 2 µg/ml).