

30-1438: Anti-CD80 Monoclonal Antibody (Clone:16-10A1)

Clonality :	Monoclonal
Clone Name :	16-10A1
Application :	FACS
Reactivity :	Mouse
Format :	Purified
Isotype :	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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:* 6 µg/ml

Immunoprecipitation Immunohistochemistry (frozen sections) Functional Application Blocking

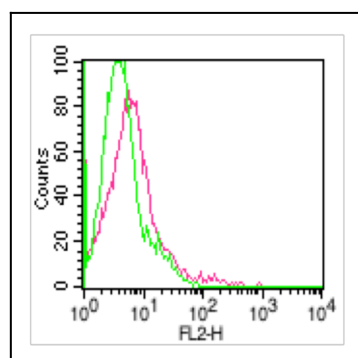


Figure 1: FLOW analysis of Balb C mouse splenocytes stimulated with LPS (3 days) stained with purified CD80 (clone 16-10A1, red) or Armenian hamster IgG isotype control (green), followed by goat anti-Armenian hamster IgG PE.