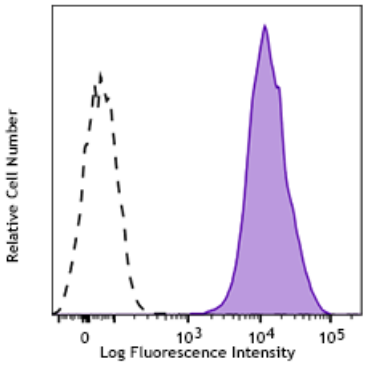
SONY

Product Data Sheet

APC anti-human CD80

Catalog # / Size:	2477015 / 25 tests 2477020 / 100 tests
Clone:	W17149D
Isotype:	Rat IgG2a, κ
Immunogen:	RBL1 cells stably transfected with human CD80 (full length)
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)
Concentration:	Lot-specific



Raji cell line was stained with anti-human CD80 (clone W17149D) APC (filled histogram) or rat IgG2a, κ APC isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CD80, also known as B7-1, B7, and BB1, is a 60 kD single chain type I glycoprotein belonging to the immunoglobulin superfamily. CD80 is expressed on activated B and T cells, macrophages, and dendritic cells. CD80 binds to CD28 and CD152 (CTLA-4). Along with CD86, CD80 plays a critical role in regulation of T cell activation. The interaction of CD80 with CD28 provides a potent costimulatory signal for T cell activation through the CD3 complex, while its interaction with CTLA-4 provides an inhibitory signal for T cell activation.

Antigen References:

1. Lim TS, *et al.* 2012. PLoS One. 7(9): e45185.
2. Kamphorst, Alice O, *et al.* 2017. *Science.* 31;355(6332):1423-1427.
3. Zheng Y, *et al.* 2004. *J. Immunol.* 1;172(5):2778-84.

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