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## PE Anti-Human CD80 Antibody[2F4]

Catalog Number: E-AB-F1365D

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Reactivity Human Mouse Host

Mouse IgG1, κ Isotype

Clone No. 2F4

PE Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792D] Isotype Control

Conjugation

**Conjugation Information** PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

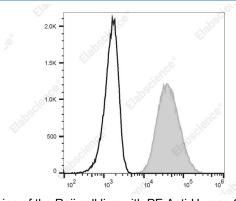
#### **Applications** Recommended usage

**FCM** Each lot of this antibody is quality control tested by 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.

#### Data



Staining of the Raji cell line with PE Anti-Human CD80 Antibody[2F4] (filled gray histogram) or PE Mouse IgG1, κ Isotype Control (empty black histogram). Total viable cells were used for analysis.

#### **Preparation & Storage**

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

#### **Antigen Information**

B7-1;B7;BB1 **Alternate Names Uniprot ID** P33681 Gene ID 941

#### For Research Use Only

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### **Background**

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.

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