

# Purified Anti-Human CD80 Antibody[2D10]

catalog number: E-AB-F12320P

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

## Description

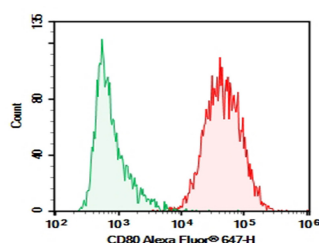
|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human                                    |
| <b>Immunogen</b>    | Recombinant Human CD80 protein           |
| <b>Host</b>         | Mouse                                    |
| <b>Isotype</b>      | Mouse IgG1, $\kappa$                     |
| <b>Clone</b>        | 2D10                                     |
| <b>Purification</b> | >98%, Protein A/G purified               |
| <b>Conjugation</b>  | Unconjugated                             |
| <b>buffer</b>       | PBS, pH 7.2. Contains 0.05% proclin 300. |

## Applications

## Recommended Dilution

|            |  |
|------------|--|
| <b>FCM</b> | 2 $\mu\text{g}/\text{mL}$ ( $1 \times 10^5$ - $5 \times 10^5$ cells) |
|------------|--|

## Data



Raji were stained with 0.2  $\mu\text{g}$  Purified Anti-Human CD80 Antibody[2D10] (Right) and 0.2  $\mu\text{g}$  Mouse IgG1,  $\kappa$  Isotype Control (Left), followed by Alexa Fluor<sup>®</sup> 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

## Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag  |

## Background

B7-1 and B7-2, together with their receptors CD28 and CTLA-4, constitute one of the dominant co-stimulatory pathways that regulate T- and B-cell responses. Although both CTLA-4 and CD28 can bind to the same ligands, CTLA-4 binds to B7-1 and B7-2 with a 20-100 fold higher affinity than CD28 and is involved in the down-regulation of the immune response. B7-1 is expressed on activated B cells, activated T cells, and macrophages.

## For Research Use Only