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Antibody to Mouse CD80
RAT MONOCLONAL

Catalog Number: AB-431
Quantity: 500 micrograms
Format: Lyophilized
Host: Rat
Isotype: IgG2a
Clone: mB7-1
Immunogen: Purified mouse LPS-activated B cells

Background:

The B-lymphocyte activation antigen B7-1 provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 and CTLA4 ligands of T cells. CD-80 is involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of cd28 or ctla-4 to this receptor.

Specificity and Preparation:

Rat anti-mouse CD80 is purified over an ion exchange column. Protein concentration is 1 mg/ml in PBS (after reconstitution).

Usage and Storage:

Reported to be effective for blocking and staining antibody. For staining, use 10 μ l/10⁶ cells. Titer for blocking T cell activation should be determined by the investigator.
Reconstitute with H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. Store lyophilized material at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable for two years lyophilized, one month in solution at 4°C.

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