

**anti- B7-2**

Cat #: HM1019  
Mouse monoclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

T cell proliferation and lymphokine production are triggered by occupation of the TCR by antigen, followed by a costimulatory signal that is delivered by a ligand expressed on antigen presenting cells. B7-1 (CD80) and B7-2 (CD86) are type I membrane proteins that are expressed on antigen presenting cells. They bind the homologous T cell receptors CD28 and CTLA-4 (cytotoxic T lymphocyte-associated protein-4). Binding with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding with CTLA-4 negatively regulates T-cell activation and diminishes the immune response.

**SPECIFICITY**

This antibody reacts with B7-2 of human origin by Western blotting, immunoprecipitation and immunohistochemistry; non cross-reactive with B7-1.

Molecular Weight of B7-2: 70 kDa. Western blotting positive control: Jurkat cell lysate.

**IMMUNOGEN**

A peptide at the carboxy terminus of human B7-2.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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