

Rat monoclonal anti mouse CD86 (B7-2)

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0020
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	LPS-activated mouse B cells
Ig Type:	Rat IgG2
Clone	AP-MAB0827
Endotoxin Level	< 0.002EU/ug IgG*
Applications:	FC, IP, IHC (Frozen) and Blocking

Description: CD86 is an 80 kD immunoglobulin superfamily member, also known as B7-2, B70, and Ly-58. CD86 is expressed on activated B and T cells, macrophages, dendritic cells and astrocytes. CD86 along with CD80 are the ligands of CD28 and CD152 (CTLA-4). CD86 is expressed earlier in the immune response than CD80. CD86 has also been shown to be involved in immunoglobulin class-switching and triggering of NK cell-mediated cytotoxicity. CD86 binds to CD28 to transduce co-stimulatory signals for T cell activation, proliferation, and cytokine production. CD86 can also bind to CD152, also known as CTLA-4, to deliver an inhibitory signal to T cells.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with LPS activated mouse **B** cells

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 µm filtered solution in phosphatebuffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level: Extremely low level of LPS (< 0.002EU/· g IgG)**

Application(s):

- 1. FC, and IP**
- 2. IHC (Frozen)**
- 3. Blocking the mixed lymphocyte reaction in vitro**
- 4. Inhibiting the priming of cytotoxic T lymphocytes in vivo (along with antibodies against B7-1).**

*** The antibody is produced by in vitro culture and for Research Use Only**