11 Park Drive, Suite 12
Boston, MA 02215

Hamster monoclonal anti mouse CD80 (B7-1)

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	**gAP-0019**
Size:	**1.00 mg**
Storage:	**< -20° C**
Immunogen:	**Mouse B7 (CD80) recombinant protein**
Ig Type:	**Hamster IgG**
Clone	**AP-MAB0826**
Endotoxin Level	**< 0.002EU/μg IgG***
Applications:	**FC, IHC (Frozen) and Blocking**

Description: CD80 is a 60 kD highly glycosylated protein. It is a member of the Ig superfamily, also known as B7-1, B7 and Ly-53. CD80 is constitutively expressed on dendritic cells and monocytes/macrophages, and inducibly expressed on activated B and T cells. The ligation of CD28 on T cells with CD80 and CD86 (B7-2) on antigen presenting cells (such as dendritic cells, macrophages, and B cells) elicits co-stimulation of T cells resulting in enhanced cell activation, proliferation, and cytokine production. CD80 appears to be expressed later in the immune response than CD86. CD80 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 Hamster immunized with Mouse B7 (CD80) recombinant protein**.**

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 phosphate-buffered 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/μg IgG)**

Application(s):

1. **FC**
2. **IHC (Frozen)**
3. **Blocking the co-stimulation of T cells by activated B cells in vitro**
4. **Block the binding of CTLA-4 to CD80.**

*** The antibody is produced by in vitro culture.**

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Tel: 617-549-2665; Fax: (480) 247-4337, angioproteomie@gmail.com