

# Anti-CD80 (16-10A1) In Vivo Antibody - Low Endotoxin

**Bulk anti-CD80 In Vivo Antibody - Low Endotoxin (16-10A1)**

**Bio X Cell:**

ICH1037 is [up to 37% cheaper](#) for industry than the equivalent products BE0024 (low endotoxin) from Bio X Cell.

**Product Benefits:**

ichorbio's anti-CD80 In Vivo Antibody - Low Endotoxin (16-10A1) is manufactured in a cGMP compliant facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from [Bio X Cell](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

**Target:**

CD80

**Clone:**

16-10A1

**Size:**

ichorbio's 16-10A1 *in vivo* antibody is available in the following bulk sizes: 1mg, 5mg, 25mg, 50mg and 100mg  
ichorbio regularly manufactures multi-gram amounts of our anti-CD80 16-10A1 clone - please contact us for pricing.

**Isotype:**

Armenian Hamster IgG

**Other Names:**

Activation B7-1 antigen, B7

**Uniprot:**

[Q00609](#)

**Host:**

Armenian Hamster

**Species Reactivity:**

Mouse, Rat

**Specificity:**

Anti-CD80 In Vivo Antibody - Low Endotoxin (16-10A1) recognizes an epitope on Mouse CD80

**Purification Method:**

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

**Antigen Distribution:**

Mouse CD80 is expressed on Activated B-Cells, Activated T-Cells, macrophages, and dendritic cells.

**Background:**

CD80 (B7-1) is a type I integral membrane protein related very closely to CD86 (B7-2). A main function of CD80 is the costimulation of T-cells through ligation of CD28 and CD152 (CTLA-4). T-cells activate with binding of CD28 to CD80 and binding of CD80 to CTLA-4 results in inhibition of T-cells. The clone 16-10A1 has the ability to block the costimulatory activity of CD80 while exhibiting no effect on the activity of CD86.

**Immunogen:**

Purified Recombinant Mouse CD80 (>98%)

**Concentration:**

1.0 mg/ml

**Formulation:**

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

**Purity:**

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

**Endotoxin:**

? 1.0 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

**Aggregation:**

Aggregation level ? 5%

Aggregation level ? 1%

### **IMPACT Pathogen Test:**

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our hamster antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Hamster parvovirus Lymphocytic choriomeningitis Minute virus of mice Theiler's murine encephalomyelitis virus Sendai virus Reovirus 3 Hantaan virus

### **Storage:**

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.

### **Applications:**

Immunoprecipitation, Western Blot, Blocking, Flow Cytometry, IHC (Frozen)

### **Application Notes:**

Each investigator should determine their own optimal working dilution for specific applications.

### **Use:**

Products are for research use only.

### **Isotype Control:**

[Armenian Hamster IgG Isotype Control for In Vivo - Low Endotoxin \[PIP\] \(ICH2251\)](#)

### **Alternative Names:**

- Activation B7-1 antigen antibody
- B lymphocyte activation antigen B7 antibody
- B7 antibody
- B7-1 antibody
- B7-1 antigen antibody
- B7.1 antibody
- BB1 antibody
- CD28 antigen ligand 1 antibody
- CD28LG antibody
- CD28LG1 antibody
- CD80 antibody
- CD80 antigen (CD28 antigen ligand 1, B7-1 antigen) antibody
- CD80 antigen antibody
- CD80 molecule antibody
- Costimulatory factor CD80 antibody
- Costimulatory molecule variant IgV-CD80 antibody
- CTLA-4 counter-receptor B7.1 antibody



- LAB7 antibody
- T-lymphocyte activation antigen CD80 antibody