abcam

Product datasheet

Anti-CD80 antibody [16-10A1] - Low endotoxin, Azide free ab171220

[1 Image](#)

Overview

Product name	Anti-CD80 antibody [16-10A1] - Low endotoxin, Azide free
Description	Armenian hamster monoclonal [16-10A1] to CD80 - Low endotoxin, Azide free
Host species	Armenian hamster
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse
Immunogen	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
Positive control	C57Bl/6 splenocytes stimulated with anti-IgM and anti-CD40.
General notes	Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store undiluted.
Storage buffer	pH: 7.20 Constituents: 0.14% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	16-10A1
Isotype	IgG

Applications

Our **Abpromise guarantee** covers the use of ab171220 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. **ab18479** - Armenian Hamster monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target

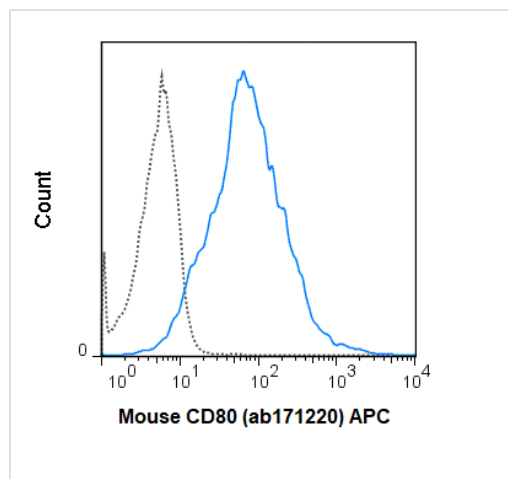|	
Function	Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor.
Tissue specificity	Expressed on activated B-cells, macrophages and dendritic cells.
Sequence similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

Images

Flow Cytometry - Anti-CD80 antibody [16-10A1] - Low endotoxin, Azide free (ab171220)

This data was developed using the same antibody clone in a different buffer formation (**ab106162**).

Flow cytometric analysis of C57Bl/6 splenocytes stimulated with anti-IgM and anti-CD40 for 4 days. Cells were stained with 0.06 µg **ab106162** (blue line) or 0.06 µg APC Armenian Hamster isotype control (dashed line).

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish

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- We investigate all quality concerns to ensure our products perform to the highest standards

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