

PRODUCT INSERT

MOUSE ANTI-RAT CD80 (B7-1)

| Product Code | Form | Volume | Antibody* | Excitation (nm) | Peak Emission (nm) | Fluorochrome/ Antibody Molar Ratio | Matching Isotype Controls |
|--------------|----------|--------|-----------|-----------------|--------------------|--|--------------------------------|
| MR6500 | Purified | 1.0 ml | 200 µg | N/A | N/A | N/A | Mouse IgG1 Purified Code MG100 |
| MR6504 | R-PE | 0.5 ml | 50 µg | 488 | 575 | 1 | Mouse IgG1 PE Code MG104 |
| MR6505 | APC | 0.5 ml | 100 µg | 600-650 | 660 | 1 | Mouse IgG1 APC Code MG105 |
| MR6515 | Biotin | 1.0 ml | 100 µg | N/A | N/A | N/A | Mouse IgG1 Biotin Code MG115 |

PRODUCT DESCRIPTION

Mouse Anti-Rat CD80 (B7-1)

Clone: 3H5

Isotype: Mouse IgG1

Lot No.: See label **Expiration:** See label

Buffer: Phosphate buffered saline (PBS)

Preservatives: 0.1% *sodium azide*
Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Solutions containing sodium azide should be disposed of properly.

Stabilizer:
For conjugated products only, a highly purified grade of BSA has been added as a stabilizing protein.

STORAGE AND HANDLING

Store reagents at 2-8°C. Light exposure should be avoided. Use dim light during handling, incubation with cells and prior to analysis. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

PRODUCT CHARACTERIZATION

Antigen Specificity: The 3H5 monoclonal antibody reacts with rat CD80, also known as B7-1. Rat CD80 is expressed by macrophages and dendritic cells. Expression of CD80 can also be induced on rat B cells following 48-72 hours of activation with LPS














PRODUCT QUALITY CONTROL

Every lot is tested by flow cytometry using freshly harvested rat splenocytes and 72 hour LPS activated rat splenocytes. Based on this testing it is recommended that between 0.25 and 0.5 µg of antibody be used per 1 x 10⁶ cells in a 100 µl staining volume. Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for their application

REFERENCES:

- Maeda, K., T. Sato, M. Azuma, H. Yagita, and K. Okumura. 1997. Characterization of rat CD80 and CD86 by molecular cloning and mAb. *Int. Immunol.* 9:993 – 1000.
 - Damoiseaux, J.G.M.C., H. Yagita, K. Okumura, and P.J.C. van Breda Vriesman 1998. Costimulatory molecules CD80 and CD86 in the rat; tissue distribution and expression by antigen-presenting cells. *J. Leukoc. Biol.* 64: 803 – 809.
- * The assigned antibody value is based on the extinction coefficient of IgG: Optical Density at 280 nm of 1.4 equals 1 mg antibody.

Explanation of symbols

| Symbol | Description | Symbol | Description |
|---|---|---|--|
|  | Catalogue Number |  | Batch code |
|  | Research Use Only |  | In vitro diagnostic medical device |
|  | Use by |  | Temperature limitation |
|  | Manufacturer |  | European Community authorised representative |
|  | Without, does not contain |  | With, contains |
|  | Protect from light |  | Consult accompanying documents |
|  | Directs the user to consult instructions for use (IFU), accompanying the product. | | |

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.