Mouse Anti-Porcine CD8α

Cat. No. | Format               | Size
--------|----------------------|------
4520-01 | Purified (UNLB)      | 0.5 mg
4520-02 | Fluorescein (FITC)   | 0.5 mg
4520-08 | Biotin (BIOT)        | 0.5 mg
4520-09 | R-phycoerythrin (PE) | 0.1 mg
4520-11 | Allophycocyanin (APC)| 0.1 mg
4520-13 | Spectral Red® (SPRD) | 0.1 mg
4520-30 | Alexa Fluor® 488 (AF488)| 0.1 mg

Overview

Clone: 76-2-11
Isotype: Mouse (BALB/c) IgG2a
Immunogen: Fresh dd miniature swine thymocytes
Specificity: Porcine CD8α; Mr 35 kDa
Alternate Name(s): N/A

Description

Porcine CD8, a type I transmembrane glycoprotein, is expressed as either a CD8αα homodimer or a CD8αβ heterodimer. It is found on most thymocytes and on the suppressor/cytotoxic subpopulation of peripheral T cells. CD8 functions primarily as a co-receptor with MHC Class I-restricted T cell receptors in antigen recognition. The monoclonal antibody 76-2-11 reacts with the CD8 α-chain.

Applications

FC – Quality tested 1,11-15,17-28
IHC-FS – Reported in literature 2,6,16
IHC-PS – Reported in literature 7
IP – Reported in literature 1
Block – Reported in literature 8,9
Depletion – Reported in literature 10
CMCD – Reported in literature 1

Working Dilutions

Flow Cytometry

FITC, BIOT and AF488 conjugates
PE, APC, and SPRD conjugates

≤ 1 µg/10⁶ cells
≤ 0.2 µg/10⁶ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL

Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/Na2. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/Na2. Store at 2-8°C.
- The R-phycocerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/Na2 and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The Spectral Red® (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/Na3 and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The Alexa Flour® 488 (AF488) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/Na3. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Some reagents contain sodium azide. Please refer to product specific SDS.

References