Mouse Anti-Feline CD8

Overview

Clone: fCD8 (FT2)
Isotype: Mouse (CAF1) IgG\(1\)\(\kappa\)
Immunogen: Feline thymocytes
Specificity: Feline/Lion/Tsushima Leopard Cat CD8\(\beta\); Mr 31 & 38 kDa
Alternate Name(s): fCD8

Description

Feline CD8, a member of the immunoglobulin superfamily of cell surface receptors, is a type II transmembrane glycoprotein that is expressed as a heterodimer on the suppressor/cytotoxic subpopulation of peripheral T lymphocytes. It is present on approximately 76% of thymocytes, 14% of splenocytes, 1% of bone marrow cells, and 15% of peripheral blood lymphocytes. CD8 functions as a co-receptor with MHC Class I-restricted T cell receptors in antigen recognition.

Applications

FC – Quality tested\(^{1,5-23}\)
IHC-FS – Reported in literature\(^{2,3}\)
ICC – Reported in literature\(^1\)
IP – Reported in literature\(^1\)
Sep – Reported in literature\(^4\)

Working Dilutions

Flow Cytometry

- FITC and BIOT conjugates: \(\leq 1 \, \mu\text{g}/10^6\) cells
- PE conjugate: \(\leq 0.2 \, \mu\text{g}/10^6\) cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 \(\mu\text{L}\)

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/NaNO₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaNO₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO₃ and a stabilizing agent. Store at 2-8°C. Do not freeze!
- 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.
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- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO₃ and a stabilizing agent. Store at 2-8°C. Do not freeze!
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

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

References