Mouse Anti-Human CD13

Overview

Clone 22A5
Isotype Mouse (BALB/c) IgG2aκ
Immunogen Osteoclasts from osteoclastomas
Specificity Human CD13, Mr 150 kDa
Alternate Name(s) gp150, aminopeptidase N, APN, ANPEP
Workshop N/A

Description

CD13, also known as aminopeptidase N, is a 150 kDa type II integral membrane glycoprotein. It is expressed on granulocytes, monocytes and their precursors, and on mast cells. CD13 is a zinc-binding metalloprotease that is involved in cell surface antigen presentation via its digestion of many MHC-bound regulatory peptides.

Applications

FC – Quality tested 3,4
IHC-FS – Reported in literature 1-3
IP 5

Working Dilutions

Flow Cytometry
- Purified (UNLB) antibody: ≤ 1 μg/10^6 cells
- FITC and PE conjugates: 10 μL/10^6 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 0.1 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 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN3. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN3 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 SDS.

References

5. Personal communication (IP)