Purified Anti-Human CD99 Antibody[HI156]

catalog number: **E-AB-F1339A**

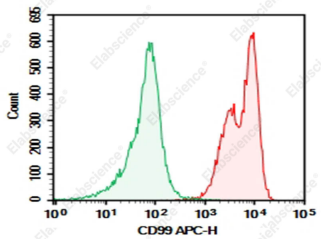
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human CD99 protein
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone	HI156
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume

Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human CD99 Antibody[HI156] (Right) and 0.2 μg Mouse IgG2a, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD99 is a type I single chain transmembrane protein devoid of N-linked glycosylation sites encoded by the pseudoautosomal gene MIC2. CD99 has an apparent molecular weight of 32 kD and is widely expressed on a variety of tissues. CD99 is highly expressed on thymocytes, T cells, and T cell leukemias and lymphomas. However, it is absent on some B cell lines, fetal B cells, eosinophils, granulocytes and the NK-cell line YT. CD99 is involved in spontaneous rosette formation with erythrocytes and may also be involved in other T-cell and hematopoietic cell adhesion pathways. CD99 has been reported to activate a caspase-independent death pathway in T cells under some conditions. CD99 interacts with a number of proteins including ferritin heavy chain 1, karyopherin beta 1, TRIP13, cyclophilin A, annexin II, and ubiquitin-conjugating enzyme E2H.

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