

## PE/Cyanine7 Anti-Human CD99 Antibody[HI156]

**Catalog Number:** E-AB-F1339H

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

### Description

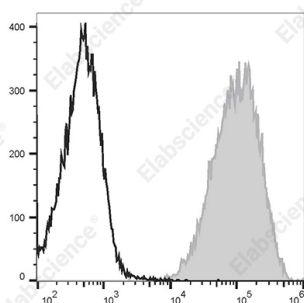
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a, $\kappa$
<b>Clone No.</b>	HI156
<b>Isotype Control</b>	PE/Cyanine7 Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09802H]
<b>Conjugation</b>	PE/Cyanine 7
<b>Conjugation Information</b>	PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### Applications

### Recommended usage

<b>FCM</b>	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Human peripheral blood lymphocytes are stained with PE/Cyanine7 Anti-Human CD99 Antibody[HI156] (filled gray histogram) or PE/Cyanine7 Mouse IgG2a,  $\kappa$  Isotype Control (empty black histogram).

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	E2 antigenHBA71MIC2MSK5X;CD99
<b>Uniprot ID</b>	P14209

### For Research Use Only

**Gene ID**

4267

**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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