

DESCRIPTION

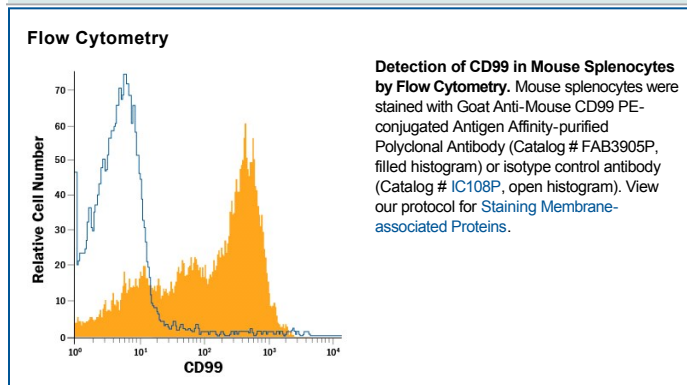
Species Reactivity	Mouse
Specificity	Detects mouse CD99 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) PILR- α and rmPILR- β is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD99 Gly25-Leu138 Accession # Q8VCN6
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Flow Cytometry	10 μ L/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD99, also known as PILR-L and MIC2, is a 125 amino acid (aa), 24-30 kDa glycosylated transmembrane glycoprotein expressed as a homodimer on the surface of endothelial, T and B cells, monocytes and stem cells. CD99 has been implicated in processes like homotypic cell adhesion, diapedesis and oncosuppression. The extracellular domain of the mouse CD99 protein used as immunogen has 60% aa sequence identity to rat CD99 and 43% aa sequence identity to the human CD99.