

DESCRIPTION

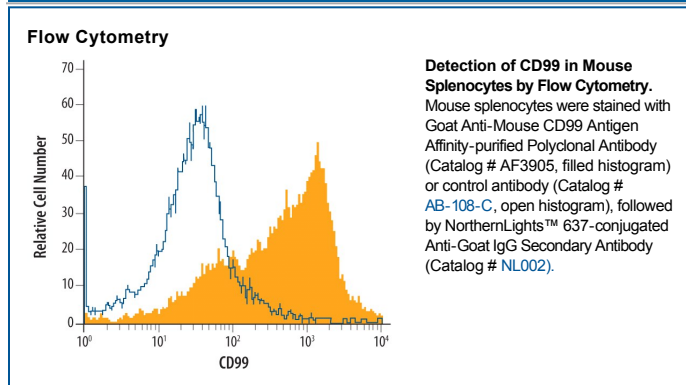
Species Reactivity	Mouse
Specificity	Detects mouse CD99 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human CD99 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD99 Gly25-Leu138 Accession # Q8VCN6
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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
Western Blot	0.1 µg/mL	Recombinant Mouse CD99
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CD99 (also known as PILR-L and MIC2) is a 125 amino acid, 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 is 45% identical to the human counterpart.