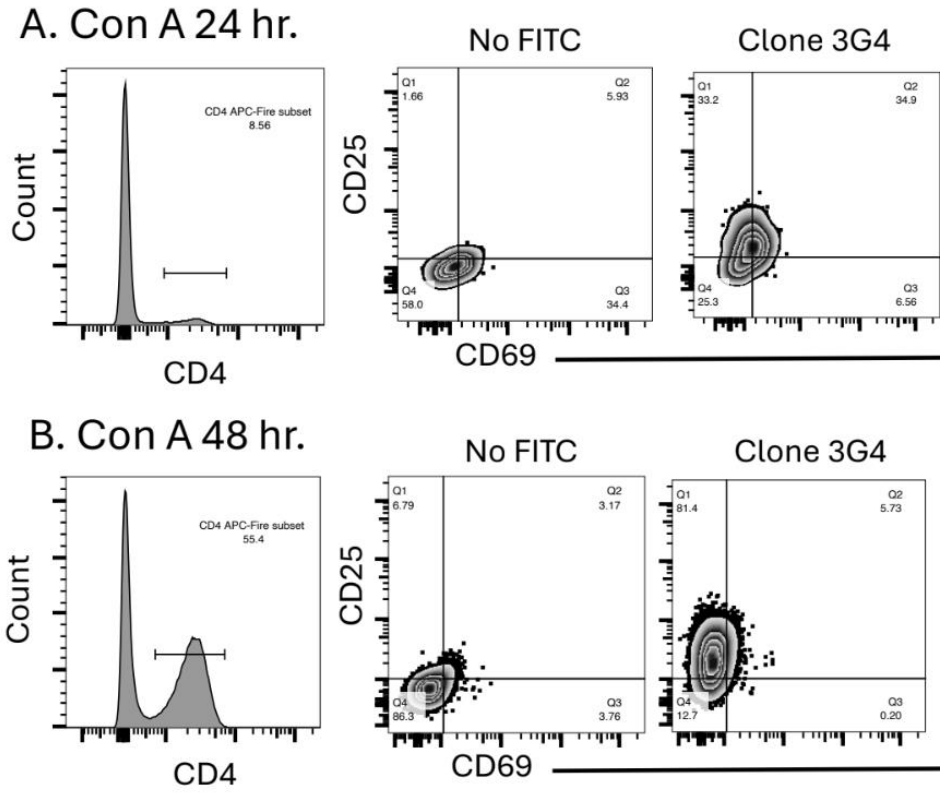
Hamster CD69 Antibody, Biotin

Mouse monoclonal, clone: 2B3
Catalog: M2074
Pack Size: 100µg

Cluster of Differentiation 69 (CD69) a transmembrane C-type lectin protein is an early activation marker in the immune system, playing a crucial role in lymphocyte activation, proliferation and retention in lymphoid organs. It is primarily expressed on the surface of activated lymphocytes, including T cells, B cells and NK cells.

Description	
Immunogen	Recombinant hamster CD69 Ala83-Arg206 w/ C-terminal His tag expressed in HEK293
Reactivity	Hamster
Source	Mouse monoclonal IgG_1 coupled to biotin
Purification	Protein G purified from hybridoma cell culture supernatant
Applications	Flow Cytometry
Formulation	Lyophilized from PBS with Trelahose Reconstitute in 100µL ddH_20 to 1 mg/mL
Shipping	Ambient
Storage	2 years at -20°C to -80°C as supplied 1 month at 4°C after reconstitution with preservative 1 year at -20°C to -80°C after reconstitution
Expiration	2 years from date of receipt

Flow cytometric analysis of CD25, CD69 expression on hamster spleen cells



Anti-CD25 clone HM25-3G4 binding increased on CD4 cells after 24 h and 48 h activation with Con A. Anti-CD69 clone HM69-2B3 showed increased levels after 24 h, but less expression after 48 h which was expected with CD69 being an early activation marker. Hamster spleen cells were incubated with Concanavalin A for 24 (A) or 48 (B) hours. For all samples, dead cells were first gated out based on a live-dead dye and live cells further gated on CD4+ cells. CD4+ cells were then analyzed for CD69 and CD25 expression.

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