



## Hamster CD25 Antibody, Biotin

Mouse monoclonal, clone: HM25-3G4

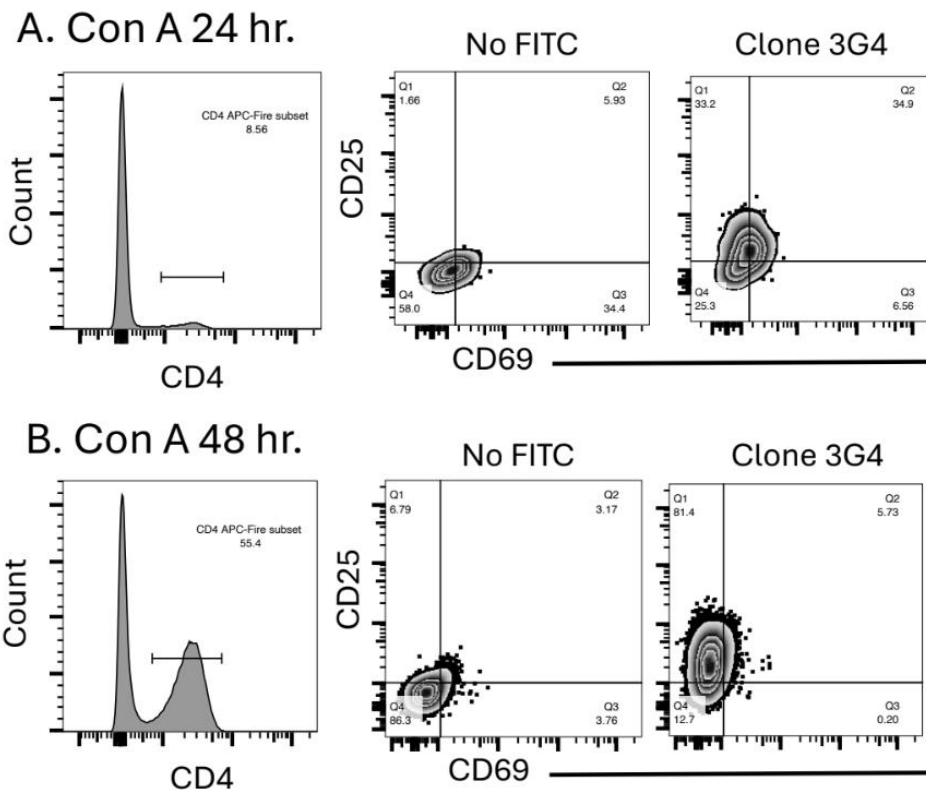
Catalog: M2072

Pack Size: 100µg

**CD25, also known as Interleukin-2 receptor alpha chain**, is crucial for the immune response, mediating the function of activated lymphocytes and regulatory T cells. It serves as a biomarker in autoimmune diseases, allergies and certain cancers.

Description	
Immunogen	Recombinant hamster CD25 Met1-Met232 w/ C-terminal His tag expressed in CHO
Reactivity	Hamster
Source	Mouse monoclonal IgG <sub>1</sub> coupled to biotin
Purification	Protein G purified from hybridoma cell culture supernatant
Applications	Flow Cytometry
Formulation	Lyophilized from PBS with Trehalose Reconstitute in 100µL ddH <sub>2</sub> O 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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