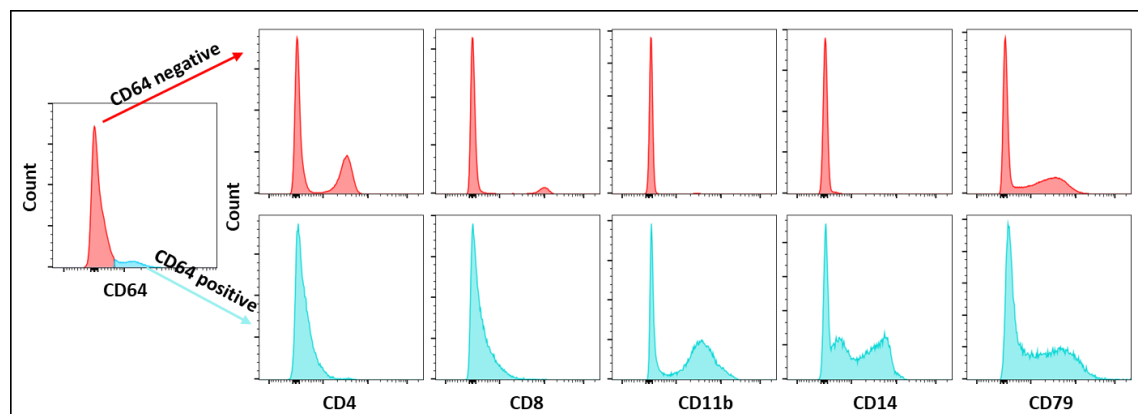


CD64, UniProt # A0A8U0SCD3, is an Fc-gamma receptor 1 (FcγRI) that binds monomeric IgG with high affinity. It is expressed on monocytes and macrophages.

Description	
Immunogen	HEK-293-derived recombinant CD64. Met36-Pro325
Reactivity	Ferret
Source	Mouse monoclonal IgG <sub>1</sub>
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	5 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	Month/Year



Flow cytometric analysis of CD64 expression on ferret PBMCs.

One million PBMCs were stained with biotinylated mouse anti-ferret CD64 clone 3E6, (followed by streptavidin APC-Cy7) in conjunction with ferret cross-reactive antibodies described in the literature. Non-specific binding was blocked using mouse FcR antibody to CD32. Ferret PBMCs stained with mouse anti-ferret CD64-3E6 also express CD11b and CD14, but not CD4 or CD8. The total population shown was further gated on CD64 negative (top panels) or CD64 positive cells (bottom panels). Histograms show expression of CD4, CD8, CD11b, CD14 and CD79b in CD64 negative (top panels) or CD64 positive (bottom panels) cells. CD64 negative cells express CD4, CD8 and CD79b, (lymphocyte markers) while CD64 positive cells express CD11b and CD14, (macrophage markers). CD64 positive cells also express CD79b and could represent B cells that express FcRγ.

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