

Canine CD8a Antibody

Monoclonal Mouse IgG₁ Clone # 569126 Catalog Number: MAB6709

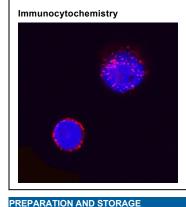
DESCRIPTION			
Species Reactivity	Canine		
Specificity	Detects canine CD8α in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant CD8 from human, mouse, cotton rat, ca guinea pig is observed.		
Source	Monoclonal Mouse IgG ₁ Clone # 569126		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant canine CD8α Ser22-Glu186 Accession # P33706		
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 either lyophilized or 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
Immunocytochemistry	8-25 μg/mL	See Below

DATA



 $CD8\alpha$ in Canine PBMCs. $CD8\alpha$ was detected in immersion fixed canine peripheral blood mononuclear cells (PBMCs) using Mouse Anti-Canine CD8α alpha Monoclonal Antibody (Catalog # MAB6709) at 25 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cell membrane. View our protocol for Fluorescent ICC Staining of Non-adherent Cells.

Reconstitution	Sterile PBS to a fir			

inal concentration of 0.5 mg/mL.

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.

- 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.

CD8 is a dimeric complex made up of two Ig superfamily members. The CD8α chain is a 34 kDa type I transmembrane glycoprotein that is disulfide-linked either to itself forming CD8αα, or to an unrelated 30-35 kDa CD8β chain, forming CD8αβ. CD8α contains one V-type Ig-like domain in its extracellular region (ECD) that binds to class I MHC molecules. CD8αβ is a TCR coreceptor, while CD8αα promotes T cell survival and differentation. Within the ECD, canine CD8α shares 63%, 45%, 43%, 68%, and 54% amino acid identity with human, mouse, rat, feline, and porcine CD8α, respectively.

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