

DESCRIPTION

Species Reactivity	Feline
Specificity	Detects feline CD8α in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant mouse CD8α is observed, approximately 5% cross-reactivity with recombinant canine CD8α is observed, a
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant feline CD8α Ala22-Tyr188 Accession # P41688
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

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 that binds to class I MHC molecules. CD8αβ is a TCR coreceptor, while CD8αα promotes T cell survival and differentiation. Feline CD8α extracellular region shares 58%, 47%, 51%, and 69% amino acid sequence identity with human, mouse, porcine, and canine CD8α extracellular regions, respectively.

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