Datasheet for ABIN135497

anti-CD8 antibody (FITC)

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Overview

Quantity:	0.5 mg
Target:	CD8
Reactivity:	Cat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD8 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Feline thymocytes
Clone:	FCD8
Isotype:	IgG1
Specificity:	Feline/Lion/Tsushima Leopard Cat CD8β, Mr 31 & 38 kDa
Characteristics:	Mouse Anti-Feline CD8-FITC
Purification:	Protein A

Target Details

Target:	CD8
Alternative Name:	CD8 (CD8 Products)
Background:	Feline CD8, a member of the immunoglobulin superfamily of cell surface receptors, is a type II

Target Details

transmembrane glycoprotein that is expressed as a heterodimer on the suppressor/cytotoxic subpopulation of peripheral T lymphocytes. It is present on approximately 63 % of thymocytes, 9 % of splenocytes, 20 % of lymph node cells, and 15 % of peripheral blood lymphocytes. CD8 functions as a co-receptor with MHC Class I-restricted T cell receptors in antigen recognition.

Application Details

Application Notes:	• **Applications:** FC - Quality tested , IHC-FS - Reported in literature , ICC - Reported in literature , IP - Reported in literature , Sep - Reported in literature • **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 1 g/106 cells PE conjugate 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L
Sample Volume:	1 mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	0.5 mg in 1.0 mL of PBS/Sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Protect conjugated products from light.** Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Storage Comment:	Store at 2-8°C

Publications

Product cited in:	Molina-Ruiz, Cerroni, Kutzner, Requena: "Immunohistochemistry in the diagnosis of cutaneous bacterial infections." in: **The American Journal of dermatopathology**, Vol. 37, Issue 3, pp. 179-93; quiz 194-6, (2015) (PubMed). Alpers, Hudkins, Ferguson, Johnson, Schatteman, Bothwell: "Nerve growth factor receptor expression in fetal, mature, and diseased human kidneys." in: **Laboratory investigation; a**

journal of technical methods and pathology, Vol. 69, Issue 6, pp. 703-13, (1994) (PubMed).

Schatteman, Gibbs, Lanahan, Claude, Bothwell: "Expression of NGF receptor in the developing and adult primate central nervous system." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 8, Issue 3, pp. 860-73, (1988) (PubMed).

Marano, Dietzschold, Earley, Schatteman, Thompson, Grob, Ross, Bothwell, Atkinson, Koprowski: "Purification and amino terminal sequencing of human melanoma nerve growth factor receptor." in: **Journal of neurochemistry**, Vol. 48, Issue 1, pp. 225-32, (1987) (PubMed).

Validation report #101185 for Enzyme Immunoassay (EIA)

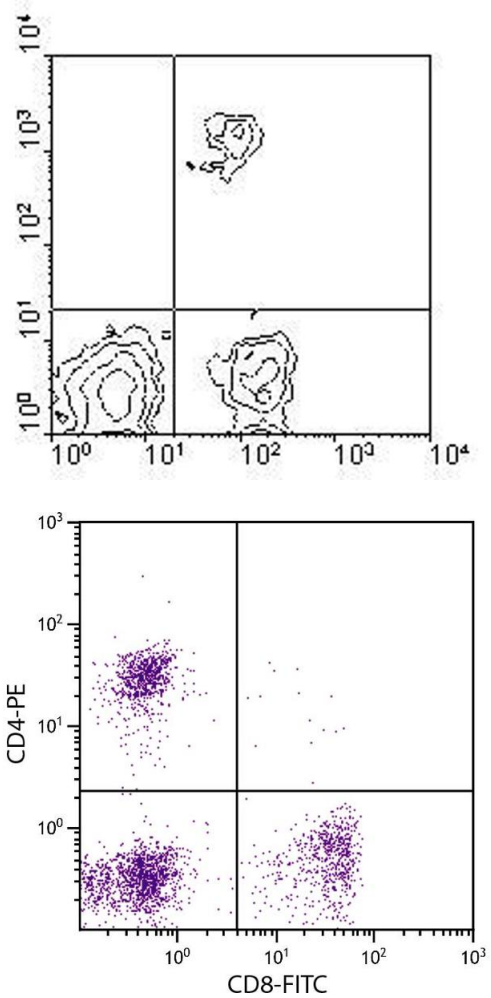

Image 1.

ELISA

Image 2. Feline peripheral blood lymphocytes were stained with Mouse Anti-Feline CD8-FITC.