

Datasheet for ABIN135464
anti-CD3 epsilon antibody



[Go to Product page](#)

2 Images

5 Publications

Overview

Quantity:	0.5 mg
Target:	CD3 epsilon (CD3E)
Reactivity:	Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Purified CD3 molecules from porcine thymus
Clone:	PPT3
Isotype:	IgG1
Specificity:	Porcine CD3, Mr 23 kDa
Characteristics:	Mouse Anti-Porcine CD3e-UNLB
Purification:	Purified

Target Details

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3e (CD3E Products)
Background:	Porcine CD3 is a member of the T-cell receptor-associated CD3 complex. It is found on a

Target Details

subpopulation of thymocytes and on all pig T lymphocytes. MAb PPT3 is mitogenic when presented to peripheral blood mononuclear cells in immobilized form.

Pathways: [TCR Signaling](#), [CXCR4-mediated Signaling Events](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IHC-PS - Reported in literature , IP - Reported in literature , WB - Reported in literature , Sep - Reported in literature , Stim - Reported in literature , Cyto - Reported in literature
- **Working Dilutions:** Flow Cytometry FITC, BIOT, and AF488 conjugates 1 g/106 cells PE, APC, and SPRD conjugates 0.2 g/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Comment: In vitro activation of T cells

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative: Without preservative

Handling Advice: 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: Lei, Ryu, Wen, Twitchell, Bui, Ramesh, Weiss, Li, Samuel, Clark-Deener, Jiang, Lee, Yuan: "Increased and prolonged human norovirus infection in RAG2/IL2RG deficient gnotobiotic pigs with severe combined immunodeficiency." in: **Scientific reports**, Vol. 6, pp. 25222, (2018) ([PubMed](#)).

Erneholm, Lorenzen, Bøje, Olsen, Andersen, Cassidy, Follmann, Jensen, Agerholm: "Genital tract lesions in sexually mature Göttingen minipigs during the initial stages of experimental vaginal

Publications

infection with Chlamydia trachomatis serovar D." in: **BMC veterinary research**, Vol. 12, Issue 1, pp. 200, (2017) ([PubMed](#)).

Twitchell, Tin, Wen, Zhang, Becker-Dreps, Azcarate-Peril, Vilchez, Li, Ramesh, Weiss, Lei, Bui, Yang, Schultz-Cherry, Yuan: "Modeling human enteric dysbiosis and rotavirus immunity in gnotobiotic pigs." in: **Gut pathogens**, Vol. 8, pp. 51, (2016) ([PubMed](#)).

Wen, Bui, Li, Liu, Li, Kocher, Yuan: "Characterization of immune modulating functions of $\gamma\delta$ T cell subsets in a gnotobiotic pig model of human rotavirus infection." in: **Comparative immunology, microbiology and infectious diseases**, (2012) ([PubMed](#)).

Isling, Aalbaek, Schröder, Leifsson: "Pyelonephritis in slaughter pigs and sows: morphological characterization and aspects of pathogenesis and aetiology." in: **Acta veterinaria Scandinavica**, Vol. 52, pp. 48, (2010) ([PubMed](#)).

Images

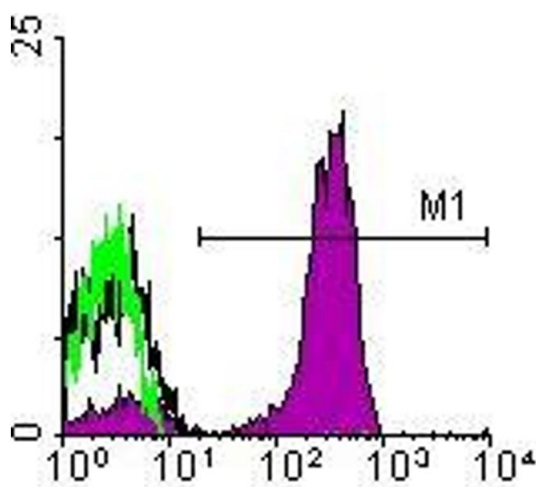
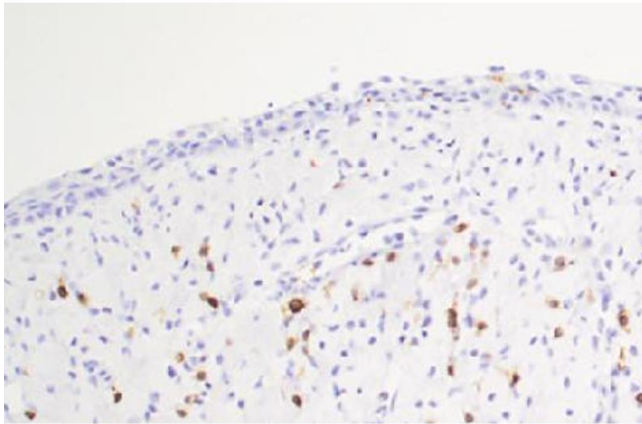


Image 1.



Immunohistochemistry

Image 2. Paraffin embedded minipig vagina section post inoculation with *C. trachomatis* was stained with Mouse Anti-Porcine CD3ε-UNLB