

Datasheet for ABIN135467

anti-CD3 epsilon antibody (PE)**2** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD3 epsilon (CD3E)
Reactivity:	Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD3 epsilon antibody is conjugated to PE
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-PE

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 subpopulation of thymocytes and on all pig T lymphocytes. MAb PPT3 is mitogenic when

Target Details

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: 0.1 mg/mL

Buffer: 0.1 mg in 1.0 mL of PBS/Sodium azide and a stabilizing agent

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: **Do not freeze!**
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: Chen, Hou, Li, Xiong, Liu: "Cloning and characterization of porcine 4Ig-B7-H3: a potent inhibitor of porcine T-cell activation." in: **PLoS ONE**, Vol. 6, Issue 6, pp. e21341, (2011) ([PubMed](#)).

Hosoya, Villena, Shimazu, Tohno, Fujie, Chiba, Shimosato, Aso, Suda, Kawai, Saito, Alvarez, Ikegami, Itoh, Kitazawa: "Immunobiotic lactic acid bacteria beneficially regulate immune

response triggered by poly(I:C) in porcine intestinal epithelial cells." in: **Veterinary research**, Vol. 42, pp. 111, (2011) ([PubMed](#)).

Images

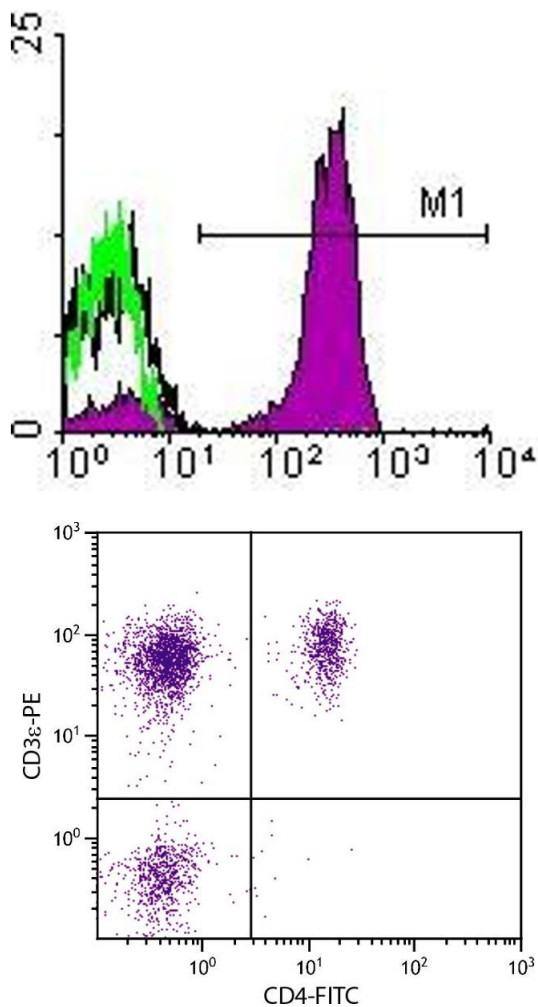


Image 1.

Flow Cytometry

Image 2. Porcine peripheral blood lymphocytes were stained with Mouse Anti-Porcine CD3ε-PE.