

Datasheet for ABIN2659699

anti-PD-1 antibody (PE/Dazzle™ 594)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 tests
Target:	PD-1 (PDCD1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PD-1 antibody is conjugated to PE/Dazzle™ 594
Application:	Flow Cytometry (FACS)

Product Details

Clone:	EH12-2H7
Isotype:	IgG1 kappa
Cross-Reactivity:	Chimpanzee, Marmoset, Rhesus Monkey, Squirrel Monkey (Saimiri spec.), Cynomolgus
Purification:	The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

Target Details

Target:	PD-1 (PDCD1)
Alternative Name:	CD279 (PDCD1 Products)
Background:	Programmed cell death 1 (PD-1), also known as CD279, is a 55 kD member of the immunoglobulin superfamily. CD279 contains the immunoreceptor tyrosine-based inhibitory

Target Details

motif (ITIM) in the cytoplasmic region and plays a key role in peripheral tolerance and autoimmune disease. CD279 is expressed predominantly on activated T cells, B cells, and myeloid cells. PD-L1 (B7-H1) and PD-L2 (B7-DC) are ligands of CD279 (PD-1) and are members of the B7 gene family. Evidence suggests overlapping functions for these two PD-1 ligands and their constitutive expression on some normal tissues and upregulation on activated antigen-presenting cells. Interaction of CD279 ligands results in inhibition of T cell proliferation and cytokine secretion.

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA .

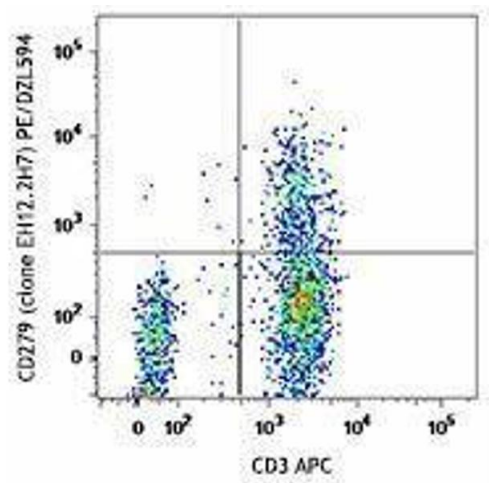
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

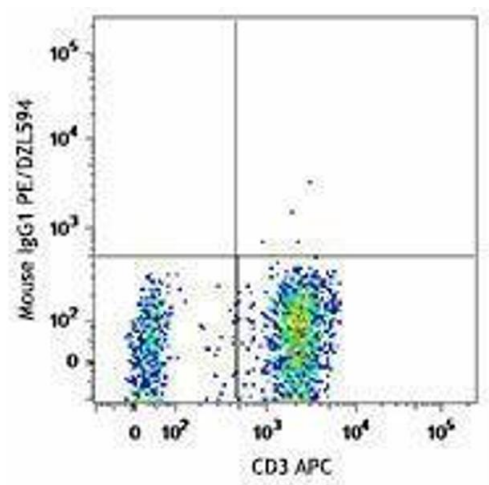
Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.



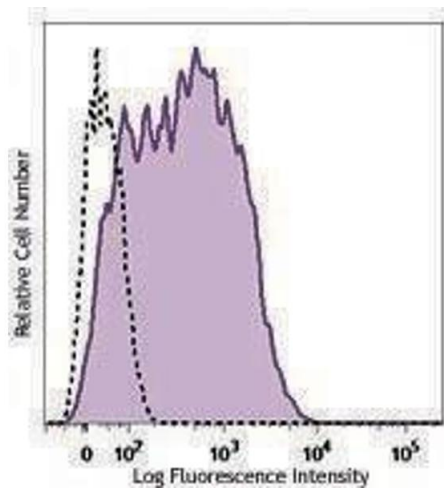
Flow Cytometry

Image 1.



Flow Cytometry

Image 2.



Flow Cytometry

Image 3.