

Datasheet for ABIN2662735
anti-GPR56 antibody (PE)[Go to Product page](#)

2 Images

Overview

Quantity:	100 tests
Target:	GPR56
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GPR56 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Cytometry by Time of Flight (CyTOF)

Product Details

Clone:	CG4
Isotype:	IgG1 kappa
Purification:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Target Details

Target:	GPR56
Alternative Name:	GPR56 (GPR56 Products)
Background:	GPR56, also known as TM7XN1, is an orphan G-protein-coupled receptor (GPCR) containing seven transmembrane domains and a mucin-like domain in the N-terminal region. The total length of the human GPR56 gene is approximately 15 kb, and it consists of 13 exons and encodes 693 amino acids. GPR56 is expressed in a wide range of tissues, such as brain, thyroid

Target Details

gland, and heart. Mutations in human GPR56 gene were found to cause a specific brain malformation called bilateral frontoparietal polymicrogyria. Recently, GPR56 was found specifically expressed on cytotoxic NK and T lymphocytes, including CD8+, CD4+, and $\gamma\delta$ T cells, which might affect the migratory properties of these cells. GPR56 was also found significantly downregulated in some cancer cells, suggesting that it may play a role in growth suppression and cancer metastasis.

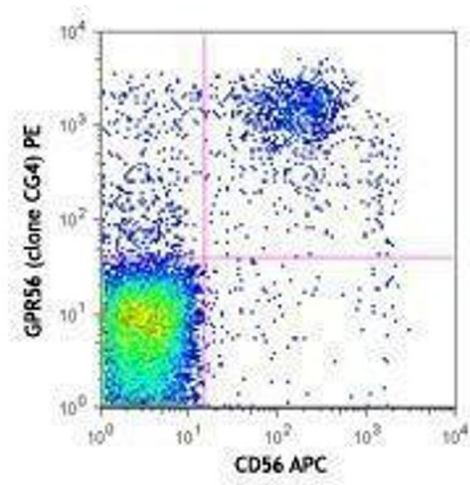
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

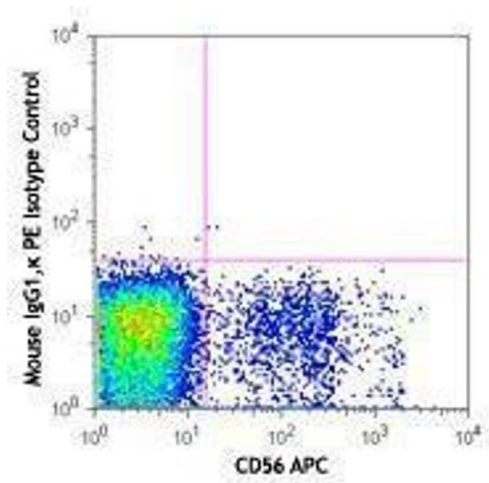
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from prolonged exposure to light. Do not freeze.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.