

Datasheet for ABIN2662549
anti-IGF1R antibody (PE)



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2 Images

Overview

Quantity:	100 tests
Target:	IGF1R
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IGF1R antibody is conjugated to PE
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Depletion (Dep)

Product Details

Clone:	1H7-CD221
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:	IGF1R
Alternative Name:	CD221 (IGF1R Products)
Background:	CD221, also known as insulin-like growth factor 1 receptor (IGF1R), is a 135 kD transmembrane receptor. It is widely expressed on lymphoid and myeloid cells as well as non-haematopoietic cells. CD221 is a tyrosine kinase receptor and the ligands for CD221 are insulin-like growth factor 1 and 2 (IGF-1 and IGF-2), the polypeptide hormones similar in molecular structure to

Target Details

insulin. IGF-1/2 binding activates downstream PI3K and MAPK pathways and plays an important role in cell growth. Recent studies reveal its function of recruiting immune cells during tissue repair.

Pathways: [RTK Signaling](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [Autophagy](#)

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

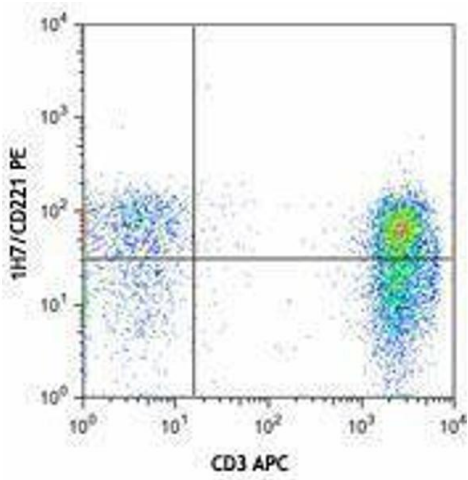
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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

Storage: 4 °C

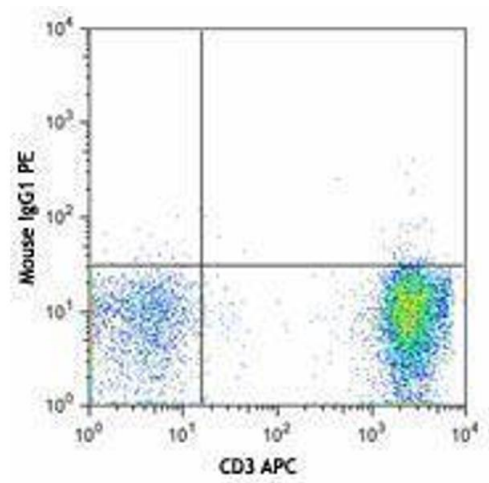
Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.