

CD161 antibody [HP-3G10] (PerCP-Cy5.5)

Cat. No. GTX01454-11

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human, Baboon, Chimpanzee, Rhesus Monkey

References (174)
 Package
 100 test

PRODUCT

Summary

The HP-3G10 antibody is specific for human CD161, also known as NKR-P1A, a type II transmembrane lectin-like receptor and member of the killer cell lectin-like receptor (KLR) family. CD161 exists as a homodimer which is prominently expressed on natural killer (NK) and NKT cells, where it is proposed to regulate the function of both cell types. CD161 is also found on T cell subsets, including T regulatory cells (Tregs), memory/effector CD4+ T cells, and CD8+ T cells. Th17 cells have been demonstrated to co-express CD161, as surface IL-17A+ cells are contained within the CD161+ fraction of CD4 T cells, so that CD161 (in combination with CCR6) is often used as a marker for enrichment of Th17 cells. The HP-3G10 antibody may be used for flow cytometric analysis of CD161 on NK and NKT cells, as well as on various T cell subsets. The antibody is also reported to be cross-reactive with Baboon, Chimpanzee and Rhesus CD161.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FCM	0.5 µg (5 µl) for 10 ⁵ -10 ⁸ cells in 100 µl sample per test

Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.1 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Peridinin-chlorophyll proteins-Cyanine5.5 (PerCP-Cy5.5) Wavelength



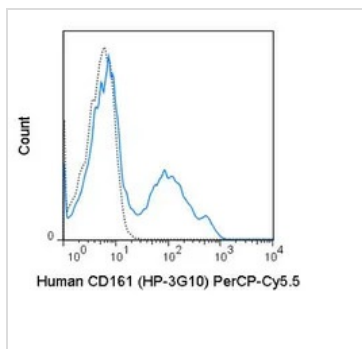
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX01454-11 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01454-11 CD161 antibody [HP-3G10] (PerCP-Cy5.5).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.5 μ g (5 μ l)



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