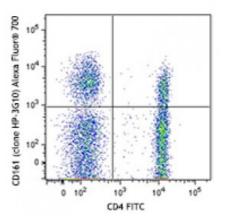
Product Data Sheet

Alexa Fluor[®] 700 anti-human CD161

Catalog # / Size:	2299705 / 25 tests 2299710 / 100 tests
Clone:	HP-3G10
Isotype:	Mouse IgG1, κ
Immunogen:	Human NK cells
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD4 FITC and CD161 (clone HP-3G10) Alexa Fluor® 700 (top) or mouse IgG1, κ Alexa Fluor® 700 isotype control (bottom).

Applications:

Applications:	Flow Cytometry	ontrol
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.	Mouse IgG1, x isotype control
	* Alexa Fluor [®] 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor [®] 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.	
Application Notes:	Additional reported applications (for the relevant formats) include: inhibition of cytokine production and Western blotting under nonreducing conditions.	
Application References:	1. Gumá M, et al. 2004. <i>Blood</i> 104:3664. 2. Exley M, <i>et al.</i> 1998. <i>J. Exp. Med.</i> 188:867 3. Marquez C, <i>et al.</i> 1998. <i>Blood</i> 91:2760.	<i>י</i> .

Wone Boy 10⁵ 10⁴ 10² 0 10² 10³ 10⁴ 10⁵ CD4 FITC

Description: CD161 is a type II transmembrane glycoprotein, also known as NKR-P1A, that is expressed as a 40-44 kD homodimer. It is a member of the C-type lectin

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products. Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com superfamily. CD161 is expressed on a majority of NK cells, NKT cells, and subsets of peripheral T cells and CD3⁺ thymocytes. It has been reported that Th17 cells are a subpopulation of CD4⁺CD161⁺CCR6⁺ cells. While the biological function of CD161 is not clear, it has been suggested to serve either as a stimulatory receptor or to inhibit NK cell-mediated cytotoxicity and cytokine production. LLT-1 (lectin-like transcript-1, also named as osteoclast inhibitory lectin or CLEC2D) is the ligand of CD161.

Antigen	1. Takahashi T, <i>et al.</i> 2006. <i>J. Immunol.</i> 176:211.
References:	2. Cosmi L, <i>et al.</i> 2008. <i>J. Exp. Med.</i> 205:1903.
	3. Aldemir H, <i>et al.</i> 2005. <i>J. Immunol.</i> 175:7791.
	1 Bocon DB at al 2009

4. Rosen DB, *et al.* 2008. <

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