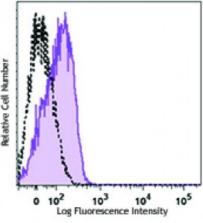
## **Product Data Sheet**

## APC anti-human CD210 (IL-10 R)

Catalog # / Size:	2144060 / 100 tests 2144055 / 25 tests	13
Clone:	3F9	
Isotype:	Rat IgG2a, κ	The state
Immunogen:	shIL-10R	Relative Cell Nur
<b>Reactivity:</b>	Human	
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.	
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).	Human p lymphoc
Workshop Number:	VII 70502	CD210 ( histogra isotype (
<b>Concentration:</b>	Lot-specific	2.



Human peripheral blood ymphocytes were stained with CD210 (clone 3F9) APC (filled histogram) or rat IgG2a, κ APC sotype control (open histogram).

## **Applications:**

Applications:	Flow Cytometry
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.
Application Notes:	Clone 3F9 recognizes the IL-10-binding epitope of IL-10R1. <sup>8</sup> Additional reported applications (for the relevant formats) include: immunoprecipitation1, <i>in vitro</i> blocking <sup>1-3</sup> of hIL-10 binding to IL-10R. For most successful immunofluorescent staining results, it may be important to maximize signal over background by using a relatively bright fluorochrome-antibody conjugate (Cat. No. 308804) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated anti-rat IgG second step (Cat. No. 405402), followed by SAv-PE (Cat. No. 405204). The LEAF <sup>™</sup> purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 308806). For highly sensitive assays, we recommend Ultra-LEAF <sup>™</sup> purified antibody (Cat. No. 308810) with a lower endotoxin limit than standard LEAF <sup>™</sup> purified antibodies (Endotoxin <0.1 EU/microg).
Application References:	<ol> <li>Liu Y, <i>et al.</i> 1997. <i>J. Immunol.</i> 158:604. (Immunogen, IP, Block)</li> <li>Levings MK, <i>et al.</i> 2005. <i>Blood</i> 105:1162. (Block)</li> <li>Goodier MR, <i>et al.</i> 2000. <i>J. Immunol.</i> 165:139. (Block)</li> <li>Huang YH, <i>et al.</i> 2009. <i>J. Leukoc. Biol.</i> 86:273. <u>PubMed</u></li> <li>Yoshino N, <i>et al.</i> 2000. <i>Exp. Anim. (Tokyo)</i> 49:97. (FC)</li> <li>Liu BS,<i>et al.</i> 2011. <i>J Leukoc Biol.</i> 89:981. <u>PubMed</u></li> <li>Joffe M, <i>et al.</i> 2012. <i>Int Immunol.</i> 24:447. <u>PubMed</u></li> <li>MacDonald KP, <i>et al.</i> 1999. <i>J. Immunol.</i> 163:5599. (epitope)</li> </ol>

Description: CD210, also known as the IL-10 receptor, is a 90-110 kD protein expressed on T

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 cells, B cells, NK cells, monocytes and macrophages. CD210 belongs to the class II cytokine receptor family which includes the IFN- $\gamma$  receptor (CDw119), the IFN- $\alpha/\beta$  receptor (CD118) and tissue factor (CD142). The IL-10 receptor is involved in signal transduction by inducing phosphorylation of STAT1a and STAT3 and by inducing activation of Jak1 and Tyk.

Antigen1. Kotenko S. 2002. Cytokine Growth Factor Rev. 13:223.References:2. Trinchieri G. 2003. Nat. Rev. Immunol. 3:133.

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