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# 12-90475: Anti-IL12RB1 antibody(1F11), IgG1 Chimeric mAb

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | 1F11 |
| **Reactivity :** | Human |
| **Conjugate :** | Unconjugated |
| **Gene :** | IL12RB1 |
| **Uniprot ID :** | P42701 |
| **Alternative Name :** | CD212;IL-12R-BETA1;IL12RB;IMD30 |
| **Isotype :** | Rabbit/Human Fc chimeric IgG1 |

## Description

The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Mutations in this gene impair the development of interleukin-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

## Product Info

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|---|---|
| **Amount :** | 100 µg / 10 µg |
| **Purification :** | Purified from cell culture supernatant by affinity chromatography |
| **Content :** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. |
| **Storage condition :** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |

## Application Note

Flow Cyt 1/100

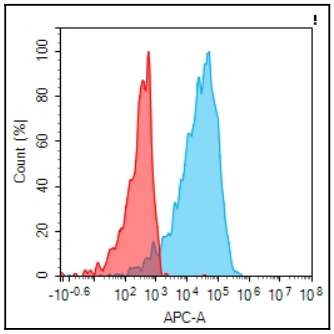


Figure 1. Flow cytometry analysis with 10µg/mL Anti-IL12RB1 (1F11) mAb on HEK293 cells transfected with human IL12RB1 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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