

## IL12RB2 Antibody (F54552)

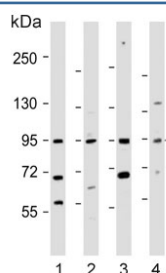
Catalog No.	Formulation	Size
F54552-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54552-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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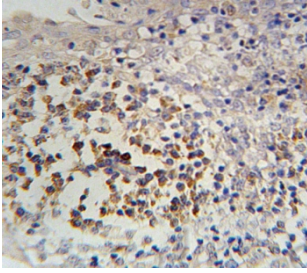
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	Q99665
<b>Applications</b>	Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10 <sup>6</sup> cells)
<b>Limitations</b>	This IL12RB2 antibody is available for research use only.

kDa  
250  
130  
95  
72  
55

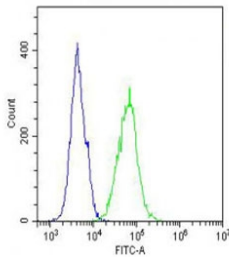
Western blot testing of human MDA-MB-435 cell lysate with IL12RB2 antibody.  
Predicted molecular weight ~97 kDa.



Western blot testing of human 1) ThP-1, 2) A431, 3) Jurkat and 4) MOLT4 cell lysate with IL12RB2 antibody. Predicted molecular weight ~97 kDa.



IHC testing of FFPE human tonsil tissue with IL12RB2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized human A431 cells with IL12RB2 antibody; Blue=isotype control, Green= IL12RB2 antibody.

## Description

The protein encoded by this gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this and IL12RB1 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the IL12RB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 756-783 from the human protein was used as the immunogen for the IL12RB2 antibody.

## Storage

Aliquot the IL12RB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.