

# Product Datasheet

## IL-15R alpha Antibody (JM7A4) - BSA Free NBP1-43238-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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### Publications: 4

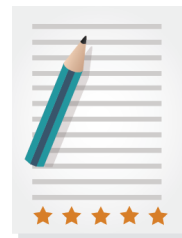
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**NBP1-43238-0.1mg**

IL-15R alpha Antibody (JM7A4) - BSA Free

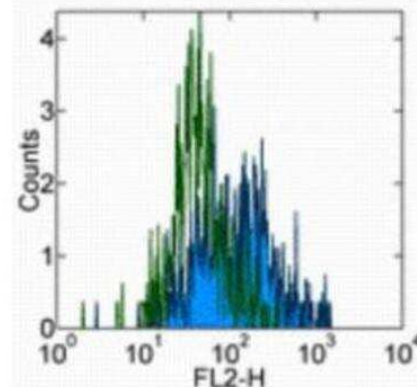
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	JM7A4
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

Product Description	
Host	Mouse
Gene ID	3601
Gene Symbol	IL15RA
Species	Human
Immunogen	The immunogen for this antibody was IL15Ra.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry &lt;0.5 mg/10 <sup>6</sup> cells in 100 ul, Immunoprecipitation 1:10-1:500
Application Notes	This JM7A4 antibody has been tested by flow cytometric analysis of LPS and IFN- $\gamma$ -stimulated PBMCs. This can be used at less than or equal to 0.5 ug per test. Cell number should be determined empirically but can range from 10 <sup>5</sup> to 10 <sup>8</sup> cells/test.

**Images**

Flow Cytometry: IL-15 R alpha Antibody (JM7A4) [NBP1-43238] - Staining of adherent human PBMCs stimulated with LPS and IFN gamma for 24 hours with 0.25 ug of Mouse IgG2b K Isotype Control Purified (NBP1-43317) (open histogram) or 0.25 ug of Anti-Human IL-15 Receptor Purified (filled histogram) followed by Anti-Mouse IgG Biotin and Streptavidin PE. Cells in the large scatter population were used for analysis.



## Publications

Anderson, D et al. Functional characterization of the human interleukin-15 receptor alpha chain and close linkage of IL15RA and IL2RA genes. *J. Biol. Chem.* 270: 29862-29869. [PMID: 8530383]

Giri, J et al. Identification and cloning of a novel IL-15 binding protein that is structurally related to the alpha of the IL-2 receptor. *EMBO J.* 14: 3654-3663. [PMID: 7641685]

Dubois S, Mariner J, Waldmann TA, Tagaya Y. IL-15Ralpha recycles and presents IL-15 In trans to neighboring cells. *Immunity.* 2002-11-01 [PMID: 12433361] (FLOW, WB)

Vamosi G, Bodnar A, Vereb G, Jenei A, Goldman CK, Langowski J, Toth K, Matyus L, Szollosi J, Waldmann TA, Damjanovich S. IL-2 and IL-15 receptor alpha-subunits are coexpressed in a supramolecular receptor cluster in lipid rafts of T cells. *Proc Natl Acad Sci U S A*;101(30):11082-7. 2004-07-27 [PMID: 15263076]





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### **Products Related to NBP1-43238-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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