

# Product Datasheet

## IL-16 Antibody (14.1) - Chimeric - Azide and BSA Free NBP3-09027-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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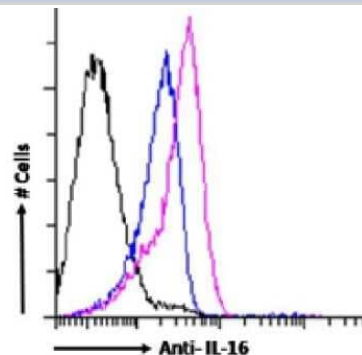
**NBP3-09027-0.2mg**

IL-16 Antibody (14.1) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	14.1
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	3603
Gene Symbol	IL16
Species	Human
Immunogen	The antibody was raised against IL-16 using a synthetic peptide corresponding to the predicted amino acid sequence of a hydrophilic region of IL-16, conjugated to keyhole limpet hemocyanin.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry
Application Notes	<p>This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.</p> <p>The antibody has been used in Western blot analysis to detect IL-16. It has been used in ELISA-type binding assays. The antibody has been used to stain endogenous IL-16 in sheets from murine ear skin after intradermal injection of TNF- alpha , and in flow cytometry to detect IL-16 on epidermal cells and emigrated cutaneous DC (Stoitzner et al, 2001).</p>

**Images**

Flow Cytometry: IL-16 Antibody (14.1) - Chimeric [NBP3-09027] - Human peripheral blood leukocytes were stimulated with PMA and Ionomycin in presence of Monensin for 4 hours. The cells were fixed using 2% PFA, permeabilized using 0.5% Triton and stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, black line) or the rabbit IgG version of 14.1 (NBP3-09027, pink line) at a dilution of 1:100 for 1h at RT. The blue line shows unstimulated human peripheral blood leukocytes stained with NBP3-09027. After washing, bound antibody was detected using a goat anti-mouse IgG AlexaFluor(R) 488 antibody at a dilution of 1:1000 and cells were analyzed using a FACSCanto flow-cytometer.



## Publications

Poller WC, Downey J, Mooslechner AA et al. Brain motor and fear circuits regulate leukocytes during acute stress  
Nature May 30 2022 12:00AM [PMID: 35636458] (ELISA, Mouse)





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-35104-10ug	Recombinant Mouse IL-16 Protein
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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