

# Product Datasheet

## IL-33 Antibody (CL13438) - Azide and BSA Free NBP3-43843

Unit Size: 100 ug

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

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**NBP3-43843**

IL-33 Antibody (CL13438) - Azide and BSA Free

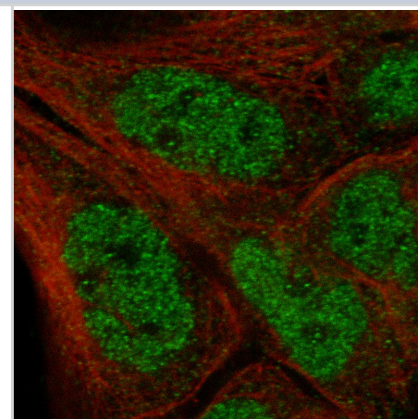
| Product Information         |                                                                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 100 ug                                                                                                                                                                         |
| Concentration               | LYOPH mg/ml                                                                                                                                                                    |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                                                                                         |
| Clonality                   | Monoclonal                                                                                                                                                                     |
| Clone                       | CL13438                                                                                                                                                                        |
| Preservative                | No Preservative                                                                                                                                                                |
| Reconstitution Instructions | Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml. |
| Isotype                     | IgG2b                                                                                                                                                                          |
| Purity                      | Protein A purified                                                                                                                                                             |
| Buffer                      | Lyophilized from a 0.2 um filtered solution in PBS with Trehalose                                                                                                              |

| Product Description |                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Host                | Mouse                                                                                                                                |
| Gene ID             | 90865                                                                                                                                |
| Gene Symbol         | IL33                                                                                                                                 |
| Species             | Human                                                                                                                                |
| Immunogen           | This antibody was generated using a recombinant protein sequence of O95760, with the exact immunogen sequence remaining proprietary. |

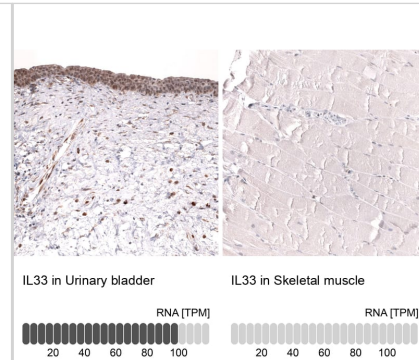
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin                                                                                                                                                                                                                                                                                 |
| Recommended Dilutions       | Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000                                                                                                                                                                                                                                                       |
| Application Notes           | For IHC-Paraffin, we recommend using Heat-Induced Epitope Retrieval (HIER) with a pH level of 6. This optimized retrieval method ensures the best results for your experiments, For Immunocytochemistry/ Immunofluorescence/IF, we recommend using a combination of PFA and Triton X-100. This will give you the optimal results for your experiments. |

**Images**

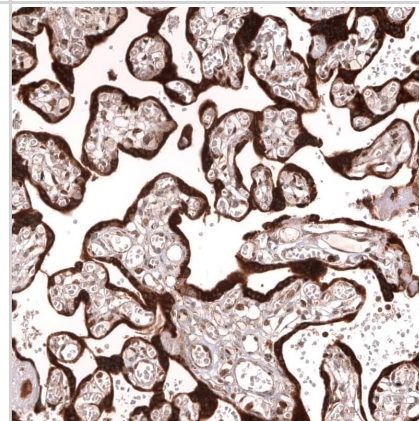
Staining in EFO-21 cell line with Anti-IL-33 monoclonal antibody) .



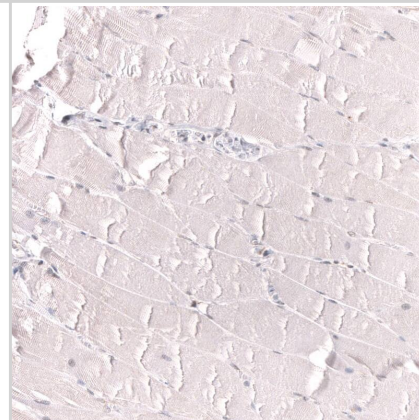
Analysis in human urinary bladder and skeletal muscle tissues using NBP3-43843 antibody. Corresponding IL-33 RNA-seq data are presented for the same tissues.



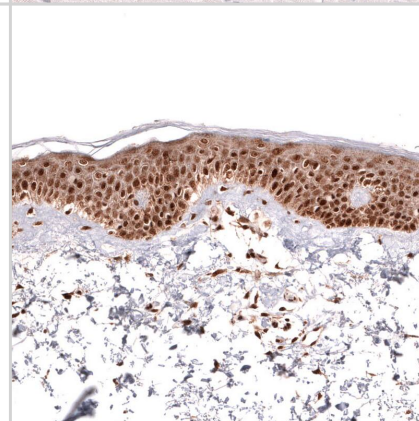
Staining of human placenta shows strong cytoplasmic positivity in trophoblastic cells.



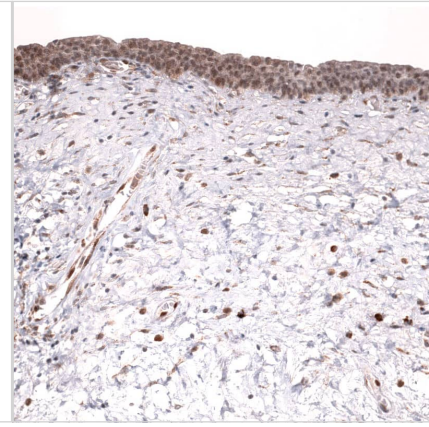
Staining of human skeletal muscle shows no positivity in myocytes as expected.



Staining of human skin shows strong nuclear positivity in squamous epithelial cells.



Staining of human urinary bladder shows strong nuclear positivity in urothelial cells.





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### **Products Related to NBP3-43843**

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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)                    |
| NBP2-35248-10ug | Recombinant Rat IL-33 Protein                           |

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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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