

# Product Datasheet

## IL-3R alpha/CD123 Antibody (107D2.08) - Azide and BSA Free DDX0300P-100

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Publications: 11**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/DDX0300P-100](http://www.novusbio.com/DDX0300P-100)

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/DDX0300P-100](http://www.novusbio.com/reviews/destination/DDX0300P-100)



**DDX0300P-100**

IL-3R alpha/CD123 Antibody (107D2.08) - Azide and BSA Free

**Product Information**

|                      |  |
|----------------------|--|
| <b>Unit Size</b>     | 0.1 mg                                   |
| <b>Concentration</b> | 0.5 mg/ml                                |
| <b>Storage</b>       | Store at -20C. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Monoclonal                               |
| <b>Clone</b>         | 107D2.08                                 |
| <b>Preservative</b>  | No Preservative                          |
| <b>Isotype</b>       | IgG1                                     |
| <b>Purity</b>        | Ion exchange chromatography              |
| <b>Buffer</b>        | Tris-NaCl (pH 8.0)                       |

**Product Description**

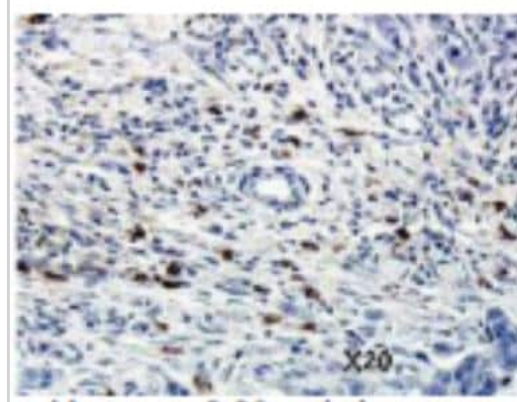
|                    |  |
|--------------------|--|
| <b>Host</b>        | Mouse  |
| <b>Gene ID</b>     | 3563   |
| <b>Gene Symbol</b> | IL3RA  |
| <b>Species</b>     | Human, Canine  |
| <b>Immunogen</b>   | IL3R Alpha/ CD123 was used as immunogen.   |
| <b>Notes</b>       | This product is manufactured by Eurobio Scientific (formerly Dendritics) and distributed by Novus Biologicals. |

**Product Application Details**

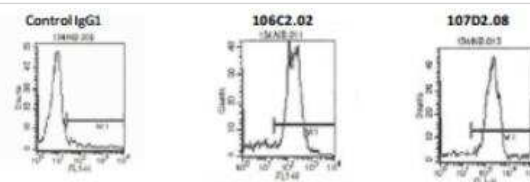
|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation  |
| <b>Recommended Dilutions</b> | Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500 |

**Images**

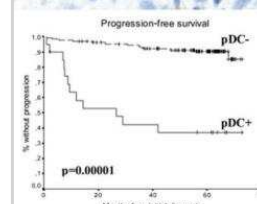
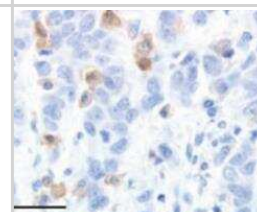
Immunohistochemistry: IL-3 R alpha/CD123 Antibody (107D2.08) [DDX0300P-100] - IHC staining of Bouin Paraffin section of human invasive breast tumor with 107D2.08 (DAB brown)



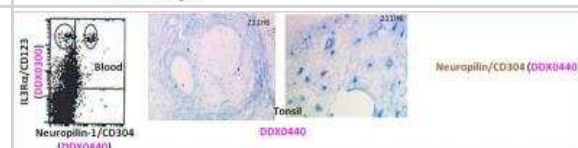
Flow Cytometry: IL-3 R alpha/CD123 Antibody (107D2.08) [DDX0300P-100] - FACS staining of CD11c-sorted tonsillar cells



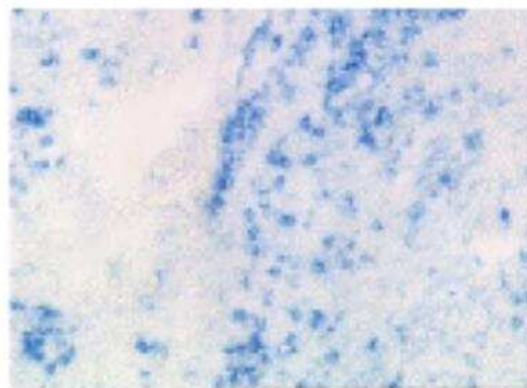
Immunohistochemistry-Paraffin: IL-3 R alpha/CD123 Antibody (107D2.08) [DDX0300P-100] - Paraffin embedded breast cancer tissue sections



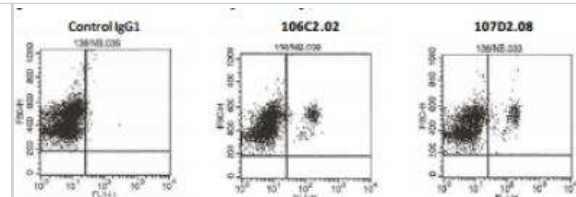
Immunohistochemistry-Paraffin: IL-3 R alpha/CD123 Antibody (107D2.08) [DDX0300P-100]



Immunohistochemistry: IL-3 R alpha/CD123 Antibody (107D2.08) [DDX0300P-100] - IHC staining of frozen human tonsil section with 106C2.02 (Fast Blue)



Flow Cytometry: IL-3 R alpha/CD123 Antibody (107D2.08) [DDX0300P-100] - Human PBMC enriched in monocytes and dendritic cells (Percollgradient) and analyzed by surface flow cytometry



## Publications

Pang L, Ng KT, Liu J et al. Plasmacytoid dendritic cells recruited by HIF-1 alpha /eADO/ADORA1 signaling induce immunosuppression in hepatocellular carcinoma Cancer letters 2021-09-16 [PMID: 34536555] (IHC-P, Human)

Broughton SE et al. Dual mechanism of interleukin-3 receptor blockade by an anti-cancer antibody. Cell Rep 2014-07-01 [PMID: 25043189]

Koehl U et al. Clinical grade purification and expansion of NK cell products for an optimized manufacturing protocol. Front Oncol 2013-05-01 [PMID: 23730623]

Brehm C et al. IL-2 stimulated but not unstimulated NK cells induce selective disappearance of peripheral blood cells: concomitant results to a phase I/II study. PLoS One 2011-01-01 [PMID: 22096557]

Matsuo T et al. Bilateral conjunctival lesions in blastic plasmacytoid dendritic cell neoplasm. J Clin Exp Hematop 2011-01-01 [PMID: 21628861]

Rochereau N et al. Phenotypic localization of distinct DC subsets in mouse Peyer Patch. Vaccine 2011-05-09 [PMID: 21439318]

van de Laar L et al. A nonredundant role for canonical NF-kB in human myeloid dendritic cell development and function. J Immunol 2010-12-15 [PMID: 21076069]

Bachmann M et al. Early production of IL-22 but not IL-17 by peripheral blood mononuclear cells exposed to live *Borrelia burgdorferi*: the role of monocytes and interleukin-1. PLoS Pathog 2010-10-01 [PMID: 20976193]

Tsoukimadou M et al. Isolation of myeloid and plasmacytoid dendritic cells from human bronchoalveolar lavage fluid. Immunol Cell Biol 2006-06-01 [PMID: 16509829]

Treilleux I et al. Dendritic cell infiltration and prognosis of early stage breast cancer. Clin Cancer Res 2004-11-01 [PMID: 15569976]

Movassagh M et al. Selective accumulation of mature DC-Lamp+ dendritic cells in tumor sites is associated with efficient T-cell-mediated antitumor response and control of metastatic dissemination in melanoma. Cancer Res 2004-03-15 [PMID: 15026362]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to DDX0300P-100**

---

|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                        |
| NBP3-18359-10ug  | Recombinant Mouse IL-3R alpha/CD123 hIgG-His Protein    |

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/DDX0300P-100](http://www.novusbio.com/reviews/submit/DDX0300P-100)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

