

Product Datasheet

IL-3R alpha/CD123 Antibody (6H6) - BSA Free NB600-1185

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB600-1185

IL-3R alpha/CD123 Antibody (6H6) - BSA Free

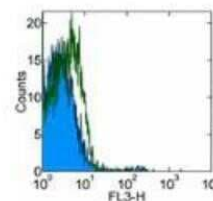
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	6H6
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

Product Description	
Host	Mouse
Gene ID	3563
Gene Symbol	IL3RA
Species	Human
Specificity/Sensitivity	IL3RA (6H6)
Immunogen	Tissue / cell preparation. IL3R transfected COS cells.

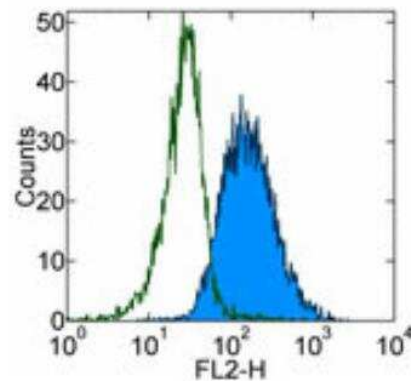
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Flow (Intracellular) 1:10 - 1:1000
Application Notes	Flow Cytometry Use 1ug for 10 ⁶ cells in 100 ul volume or 100 ul of whole blood. This antibody has been tested by immunofluorescent staining with flow cytometric analysis. IHC-Fr: Use at an assay dependent dilution. WB: Use at an assay dependent dilution. Detects a band of approximately 70 kDa. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user. Although not tested this antibody may be useful in IHC-P and Immunoprecipitation. WB was reported in the scientific literature (PMID:12576313).

Images

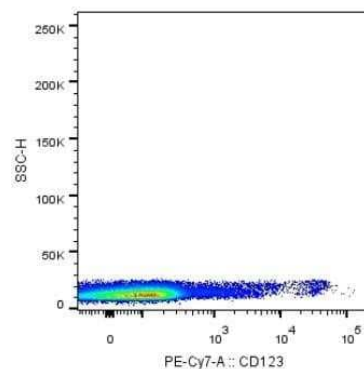
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Analysis using the PE/Cy7 conjugate of NB600-1185. Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE-Cy7 (NBP1-42944) (open histogram) or Anti-Human CD123 PE-Cy7 (filled histogram). Cells in the lymphocyte gate were



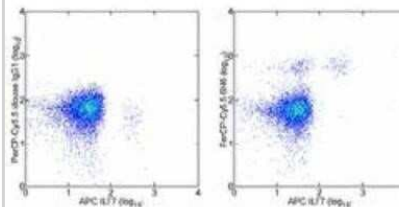
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Staining of TF-1 cells with Purified Mouse IgG1, K Iso Cntrl (open histogram) or Purified anti-human CD123 (6H6) (colored histogram) followed by PE Anti-Mouse IgG. Total viable cells were used for analysis



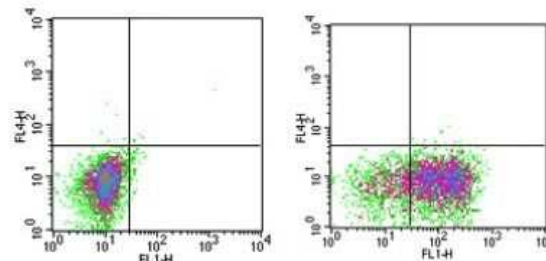
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE-Cy7 (NBP1-42944) (open histogram) or Anti-Human CD123 PE-Cy7 (filled histogram). Cells in the lymphocyte gate were used for analysis.



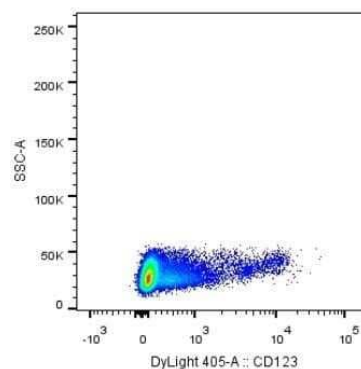
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Staining of normal human peripheral blood cells with Anti-Human CD85g (ILT7) Alexa Fluor 647 and Mouse IgG1 kappa Isotype Control PerCP-Cy5.5 (NBP1-42839) (left) or Anti-Human CD123 PerCP-Cy5.5 (right). Cells in the monocyte gate were used for analysis.



Flow (Intracellular): IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Analysis using the DyLight 488 conjugate of NB600-1185. Staining of Human monocytes were probed using 10 ul of CD123 antibody (right) or 0.05 ug of isotype control was used for this test.



Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Analysis using the DyLight 405 conjugate of NB600-1185. Staining of CD123 in human PBMCs using anti-CD123 antibody. Image from verified customer review.



Publications

Yu J, Thomas P, Sciacca M et al. Ad26.COV2.S and SARS-CoV-2 Spike Protein Ferritin Nanoparticle Vaccine Protect Against SARS-CoV-2 Omicron BA.5 Challenge in Macaques Cell Reports Medicine 2023-03-01 [PMID: 37023746] (ICC/IF, Primate)

Ligresti G, Caporarello N, Meridew JA et al. Primary intestinal NK-cell lymphoma, EBV-negative: A case report and literature review Human Pathology: Case Reports 2019-09-01 (IF/IHC, Human)

Chung T, Christopher-Stine L, Paik JJ et al. The composition of cellular infiltrates in anti-HMG-CoA reductase-associated myopathy Muscle Nerve 2015-03-03 [PMID: 25737145] (IHC-Fr, Human)

Details:

IL-3 R alpha/CD123 antibody used in IHC-Fr application for immunostaining of CD123 (the plasmacytoid dendritic cell phenotypic marker) on samples from human anti-3-hydroxy-3-methyl-gulatrlyl-CoA reductase (HMGCR)-associated myopathy patients and control dermatomyositis patients. The assay involved - 7 um thick frozen muscle biopsy sections, washing of sections with tris buffer pH 7.2 followed by incubation with 1:100 dilution for 1 hour at RT, detection with HRP-conjugated secondary antibody and DAB chromogen (Figure 3).

Dunphy CH. Comparative analysis of detecting monocytic cells and their aberrancy. Appl Immunohistochem Mol Morphol;19(4):336-40. 2011-07-01 [PMID: 21293259] (IF/IHC, Human)



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Products Related to NB600-1185

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB600-1185V	IL-3R alpha/CD123 Antibody (6H6) [DyLight 405]

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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