

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

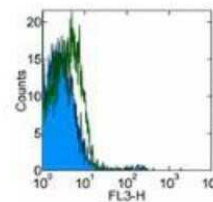
IL-3R alpha/CD123 Antibody (6H6) - BSA Free

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	
Description	Novus Biologicals Mouse IL-3R alpha/CD123 Antibody (6H6) - BSA Free (NB600-1185) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-IL-3R alpha/CD123 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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).

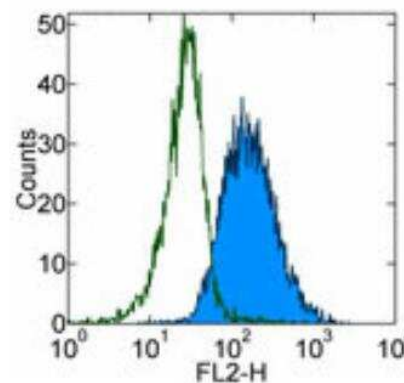


Images

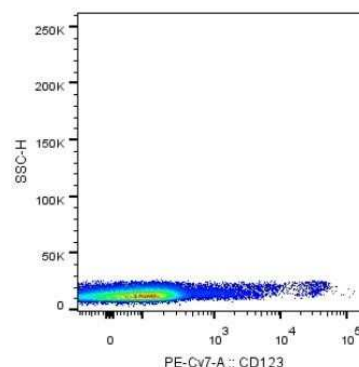
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Analysis using the PE/Cy7 conjugate of NB600-1185. Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE-Cy7 (NBP1-42944) (open histogram) or Anti-Human CD123 PE-Cy7 (filled histogram). Cells in the lymphocyte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



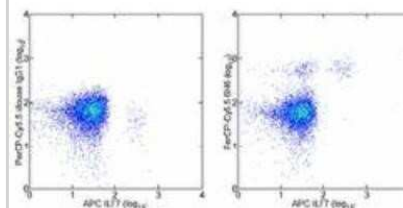
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Staining of TF-1 cells with Purified Mouse IgG1, K Iso Cntrl (open histogram) or Purified anti-human CD123 (6H6) (colored histogram) followed by PE Anti-Mouse IgG. Total viable cells were used for analysis



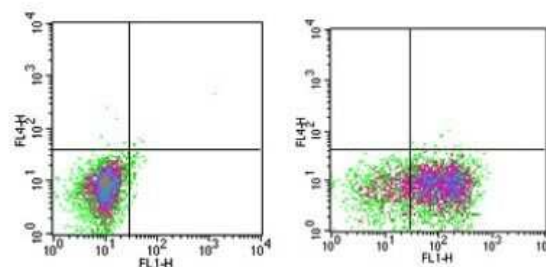
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control PE-Cy7 (NBP1-42944) (open histogram) or Anti-Human CD123 PE-Cy7 (filled histogram). Cells in the lymphocyte gate were used for analysis.



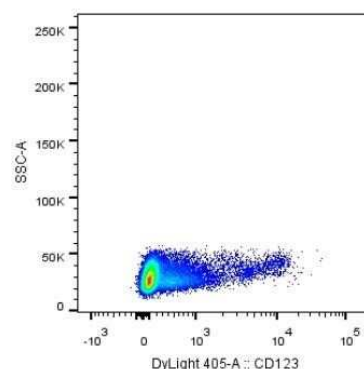
Flow Cytometry: IL-3 R alpha/CD123 Antibody (6H6) [NB600-1185] - Staining of normal human peripheral blood cells with Anti-Human CD85g (ILT7) Alexa Fluor 647 and Mouse IgG1 kappa Isotype Control PerCP-Cy5.5 (NBP1-42839) (left) or Anti-Human CD123 PerCP-Cy5.5 (right). Cells in the monocyte gate were used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

He X, Chandrashekar A, Zahn R et al. Low-dose Ad26.COv2.S protection against SARS-CoV-2 challenge in rhesus macaques Cell 2021-06-01 [PMID: 34133941]

Chandrashekar A, Yu J, McMahan K et al. Vaccine protection against the SARS-CoV-2 Omicron variant in macaques Cell 2022-04-01 [PMID: 35427477]

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-glutaryl-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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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