

Product Datasheet

CD4 Antibody (GK1.5) - BSA Free NBP2-25191

Unit Size: 0.1 mg

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

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Publications: 7

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NBP2-25191

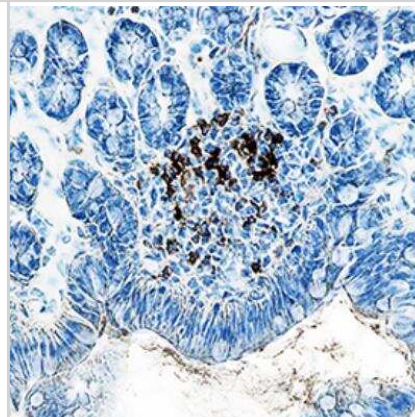
CD4 Antibody (GK1.5) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	GK1.5
Preservative	0.02% Sodium Azide
Isotype	IgG Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rat CD4 Antibody (GK1.5) - BSA Free (NBP2-25191) is a monoclonal antibody validated for use in IHC, Flow, ICC/IF and IP. Anti-CD4 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	920
Gene Symbol	CD4
Species	Mouse
Immunogen	The mouse cytotoxic T lymphocyte line V4 was used as the immunogen for the CD4 antibody.
Product Application Details	
Applications	Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In vitro assay, In vivo assay, Immunoprecipitation, Block/Neutralize
Recommended Dilutions	Flow Cytometry 2.5 ug / 1 million cells. Use reported in scientific literature (PMID 25340039), Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation, Immunohistochemistry-Frozen 1:10-1:500, In vitro assay reported in scientific literature (PMID 25340039), In vivo assay reported in scientific literature (PMID 25340039), Flow (Cell Surface) 2.5 ug / 1 million cells, Block/Neutralize reported in scientific literature (PMID 25340039)

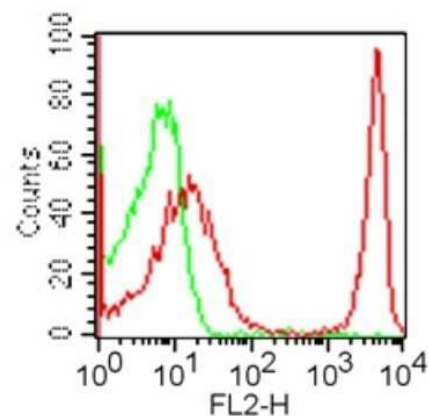


Images

Immunohistochemistry-Frozen: CD4 Antibody (GK1.5) [NBP2-25191] - CD4 was detected in immersion fixed frozen sections of mouse intestine using Rat Anti-Mouse CD4 Monoclonal Antibody (Clone GK1.5) at 1 ug/mL overnight at 4 degrees C. Tissue was stained using the Anti-Rat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS017) and counterstained with hematoxylin (blue). Specific staining was localized to plasma membranes of lymphocytes.



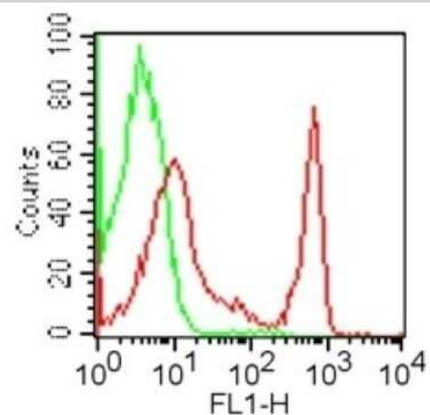
Flow Cytometry: CD4 Antibody (GK1.5) [NBP2-25191] - Analysis using the PE conjugate of NBP2-26585. Staining of CD4 in 10^6 BALB/c mouse splenocytes using 1 ug of this antibody ; red represents mouse CD4 this antibody. Image using the Azide Free format of this antibody.



Flow Cytometry: CD4 Antibody (GK1.5) [NBP2-25191] - Analysis using the Allophycocyanin conjugate of NBP2-26585. Staining of CD4 in 10^6 BALB/c mouse splenocytes using 1 ug of this antibody. Green represents isotype control; red represents mouse CD4 this antibody. Image using the Azide Free format of this antibody.



Flow Cytometry: CD4 Antibody (GK1.5) [NBP2-25191] - Analysis using the FITC conjugate of NBP2-26585. Staining of CD4 in 10^6 BALB/c mouse splenocytes using 1 ug of NBP2-26584. Green represents isotype control (20212C); red represents mouse CD4 NBP2-26584 antibody. Image using the Azide Free format of this antibody.



Publications

Jeong HY, Park JS, Choi JW et Al. GRIM-19-mediated induction of mitochondrial STAT3 alleviates systemic sclerosis by inhibiting fibrosis and Th2/Th17 cells *Exp Mol Med* 2024-12-06 [PMID: 39643607]

Sohn HS, Choi JW, Jhun J Et al. Tolerogenic nanoparticles induce type II collagen-specific regulatory T cells and ameliorate osteoarthritis *Sci Adv* 2022-11-25 [PMID: 36427299] (IF/IHC, Mouse)

Details:

Citation using the FITC version of this antibody.

Radhakrishnan Rk, Thandi Rs, Tripathi D et Al. BCG vaccination reduces the mortality of Mycobacterium tuberculosis-infected type 2 diabetes mellitus mice *JCI Insight* 2020-03-12 [PMID: 32161191] (FLOW, Mouse)

Liu X, Deng J, Li R et al. ERbeta-selective agonist alleviates inflammation in a multiple sclerosis model via regulation of MHC II in microglia *Am J Transl Res* 2019-07-15 [PMID: 31396345] (FLOW, Mouse)

Nishana M, Nilavar NM, Kumari R et al. HIV integrase inhibitor, Elvitegravir, impairs RAG functions and inhibits V(D)J recombination. *Cell Death Dis.* 2017-06-01 [PMID: 28569776] (FLOW, Mouse)

McLellan AD, Kapp M, Eggert A et al. Anatomic location and T-cell stimulatory functions of mouse dendritic cell subsets defined by CD4 and CD8 expression. *Blood.* 2002-03-15 [PMID: 11877283] (FLOW, Mouse)

Details:

This citation used the FITC version of this antibody.

Humar M, Azemar M, Maurer M, Groner B. Adaptive Resistance to Immunotherapy Directed Against p53 Can be Overcome by Global Expression of Tumor-Antigens in Dendritic Cells. *Front Oncol.* 2014-10-23 [PMID: 25340039] (In Vivo, B/N, FLOW, Mouse)

Details:

CD4 antibody (clone GK1.5) used for in vivo depletion of CD4+ T-cells (intraperitoneal injections of 100 ug antibody). Antibody also used for FLOW on peripheral blood leukocytes isolated from blood samples withdrawn from murine lateral tail veins.





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Products Related to NBP2-25191

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-25191G	CD4 Antibody (GK1.5) [DyLight 488]
NBP1-19371PEP	CD4 Antibody Blocking Peptide

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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