

Product Datasheet

Eosinophil Antibody (BMK-13) NBP1-42140-1ml

Unit Size: 1 ml

Store at 4C. Do not freeze.

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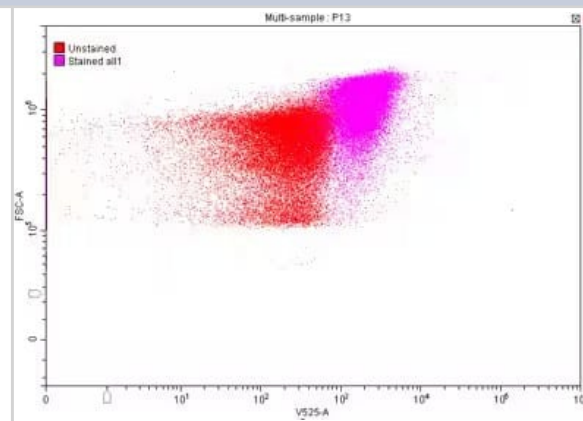
NBP1-42140-1ml

Eosinophil Antibody (BMK-13)

Product Information	
Unit Size	1 ml
Concentration	0.1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	BMK-13
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS, 0.1% BSA
Product Description	
Description	Novus Biologicals Mouse Eosinophil Antibody (BMK-13) (NBP1-42140) is a monoclonal antibody validated for use in IHC, ELISA and Flow. Anti-Eosinophil Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human, Mouse, Canine, Monkey, Rhesus Macaque
Reactivity Notes	Use in Rhesus Macaque reported in scientific literature (PMID:32128254). Canine reactivity reported in scientific literature (PMID: 29920692). Monkey reactivity reported in scientific literature (PMID: 30626745). Mouse reactivity reported in scientific literature (PMID: 31643033, 31626785).
Specificity/Sensitivity	Cross-reacts weakly with human basophils, which also contain low level of this protein. It does not cross-react with any other human protein or cell.
Immunogen	The antibody reacts with the Eosinophil Major Basic Protein antigen.
Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Flow Cytometry Validated for Flow from a verified customer review., ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This mAb is a very useful tool for clinical and experimental allergy studies. BMK-13 is a pan-eosinophil marker in both frozen sections and paraffin embedded tissues. It stains in bronchial sections 98% of the periphery blood eosinophils. Further, the antibody is most useful for immunohistochemistry on frozen sections is the APAAP method. BMK-13 also binds to eosinophils in paraffin-embedded tissue. A 1:30 dilution in PBS is recommended. Incubation time: 1 hour at RT. Enzymatic pretreatment is necessary. This antibody is suitable for blood smears (cytospins) if fixed with methanol-acetone mixture (1:1, v/v). It is unlikely, without permeabilization, that the BMK-13 is suitable for the flow cytometry because BMK-13 stains intracellular, stored proteins.

Images

Flow Cytometry: Mouse Monoclonal Eosinophil Antibody (BMK-13) [NBP1-42140] - LPS stimulated eosinophil. WBC was blocked (RBC lysed whole blood) with 5 % BSA for 15 min and then incubated with NBP1-42140 (1:100) for 2 h at 4 °C. The cells were washed and stained secondary antibody Alexa 430 and analyzed in FACS. Image from a verified customer review.



Publications

Dinesh Devadoss, Kerri Surbaugh, Marko Manevski, Chatura Wickramaratne, Dale Chaput, Arianne Chung, Francisco de Leon, Hitendra S Chand, Jaspreet S Dhau Indoor-air purification by photoelectrochemical oxidation mitigates allergic airway responses to aerosolized cat dander in a murine model. *Scientific reports* 2023-07-10 [PMID: 37414804]

Roy C J, Van Slyke G et al. Passive immunization with an extended half-life monoclonal antibody protects Rhesus macaques against aerosolized ricin toxin. *NPJ Vaccines* 2020-05-03 [PMID: 32128254] (IF/IHC, Rhesus Macaque)

Hashimoto T, Kursewicz CD, Fayne RA et al. Mechanisms of itch in stasis dermatitis: Significant role of IL-31 from macrophages *J. Invest. Dermatol.* 2019-10-15 [PMID: 31626785] (Mouse)

Singh SP, Chand HS, Banerjee S et al. Acetylcholinesterase Inhibitor Pyridostigmine Bromide Attenuates Gut Pathology and Bacterial Dysbiosis in a Murine Model of Ulcerative Colitis *Dig. Dis. Sci.* 2019-10-23 [PMID: 31643033] (IF/IHC, Mouse)

Hashimoto T, Kursewicz CD, Fayne RA et al. Pathophysiological mechanisms of itch in bullous pemphigoid *J. Am. Acad. Dermatol.* 2019-07-25 [PMID: 31351883]

Roy CJ, Ehrbar DJ, Bohorova N et al. Rescue of rhesus macaques from the lethality of aerosolized ricin toxin. *JCI Insight* 2019-01-10 [PMID: 30626745] (IHC-P, Monkey)

Costa SF, Trivellato GF, Rebech GT et al. Eosinophilic inflammation in lymph nodes of dogs with visceral leishmaniasis *Parasite Immunol.* 2018-06-19 [PMID: 29920692] (ELISA, Canine)



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Products Related to NBP1-42140-1ml

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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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