

Product Datasheet

Eosinophil Antibody (BMK-13)

NBP1-42140-1ml

Unit Size: 1 ml

Store at 4C. Do not freeze.

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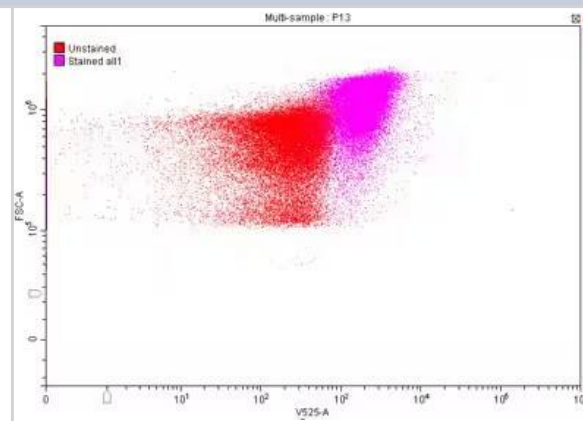
NBP1-42140-1ml**Eosinophil Antibody (BMK-13)**

| 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 | |
| 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 | ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin |
| 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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| 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) |

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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