

Product Datasheet

EPX Antibody (AHE-1) NBP2-32964-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Updated 7/16/2024 v.20.1

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NBP2-32964-0.1mg

EPX Antibody (AHE-1)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	AHE-1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

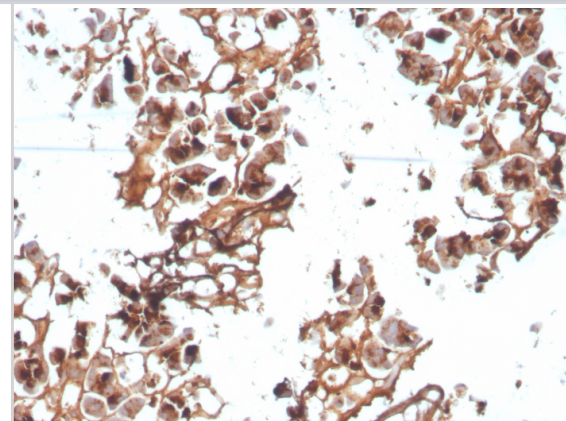
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34551) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	8288
Gene Symbol	EPX
Species	Human
Reactivity Notes	Others not known.
Specificity/Sensitivity	Peripheral blood granulocytes are classified into neutrophils, basophils and eosinophils according to the staining characteristics of their cytoplasmic granules. Granule proteins are released by physiologic and pharmacologic stimuli and play important roles in both normal and pathological host immune responses. Eosinophil major basic protein and eosinophil peroxidase (EPX) are granule proteins specific to the eosinophil. AHE-1 recognizes human EPX, a granule protein specific to eosinophils. It does not cross-react with eosinophil major basic protein, elastase, cathepsin G, esterase N, thrombin, plasmin, kallikrein, lactoferrin, or transferrin. This monoclonal antibody stains eosinophils only and does not stain other peripheral blood cells, including platelets, neutrophils, monocytes, lymphocytes or red blood cells. Human EPX gene product can form a tetramer of two light chains and two heavy chains. Other peroxidase family members include myeloperoxidase (MPO), lactoperoxidase (LPO), and thyroid peroxidase (TPO).
Immunogen	Human eosinophils from a patient with hypereosinophilic syndrome (Uniprot: P11678)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry 0.5-1 ug/million cells, Immunocytochemistry/ Immunofluorescence 0.5-1 ug/ml
Application Notes	Optimal dilution for a specific application should be determined.



Images

Formalin-fixed, paraffin-embedded human pancreas stained with EPX antibody (AHE-1).



Publications

Bohrer AC, Castro E, Tocheny CE Et al. Rapid GPR183-mediated recruitment of eosinophils to the lung after Mycobacterium tuberculosis infection Cell Rep 2022-07-29 [PMID: 35905725]

Details:

Citation using the Alexa Fluor 488 version of this antibody.

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Products Related to NBP2-32964-0.1mg

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)
H00008288-P01-2ug	Recombinant Human EPX GST (N-Term) Protein

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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