

Product Datasheet

EPX Antibody (AHE-1) [Alexa Fluor® 488] NBP2-34551AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-34551AF488

EPX Antibody (AHE-1) [Alexa Fluor® 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	AHE-1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 488
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
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)



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Product Application Details	
Applications	ELISA, CyTOF-ready
Recommended Dilutions	ELISA, CyTOF-ready

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 NBP2-34551AF488

IC002G	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 488]
H00008288-P01-2ug	Recombinant Human EPX GST (N-Term) Protein
210-TA-005	TNF-alpha [Unconjugated]
NBP3-18715	Human EPX ELISA Kit (Colorimetric)

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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