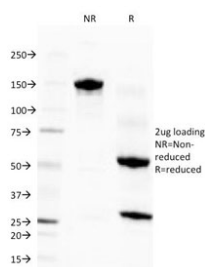


Eosinophil Peroxidase Antibody [clone EPO104] (V2303)

Catalog No.	Formulation	Size
V2303-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2303-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2303SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	EPO104
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	8288 (Human)
Localization	Cytoplasmic, granular
Applications	Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 0.5-1ug/ml
Limitations	This Eosinophil peroxidase antibody is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free Eosinophil Peroxidase Antibody (clone EPO104). Confirmation of Integrity and Purity of the Antibody.

Description

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. This MAb 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).

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titrated up or down for optimal performance.

Immunogen

Human eosinophils from a patient with hypereosinophilic syndrome were used as the immunogen for this Eosinophil peroxidase antibody.

Storage

Store the Eosinophil peroxidase antibody at 2-8°C.

Alternate Names

Eosinophil peroxidase heavy chain; EPER; EPO; EPP; EPX; EPX PEN; PERE, Eosinophil peroxidase antibody

References (2)