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Datasheet for ABIN6937164 **anti-EPX antibody**

Overview

Quantity:	100 µg
Target:	EPX
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EPX antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Human eosinophils from a patient with hypereosinophilic syndrome
Clone:	EP0104
Isotype:	IgG1 kappa
Specificity:	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 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

Product Details

myeloperoxidase (MPO), lactoperoxidase (LPO), and thyroid peroxidase (TPO).

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: EPX

Alternative Name: EPX ([EPX Products](#))

Background: Eosinophil peroxidase heavy chain, EPER, EPO, EPP, EPX, EPX PEN, PERE, Eosinophil Peroxidase (EPX)

Cellular localisation: Cytoplasmic, granular

Molecular Weight: 70kDa (55kDa-Heavy Chain, 15kDa-Light Chain)

Gene ID: 8288, 279259

UniProt: [P11678](#)

Application Details

Application Notes: Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Positive_Control: MCF-7 cells. Tonsil.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months