

Product datasheet for **AM50268PU-S**

EPX Mouse Monoclonal Antibody [Clone ID: EPO104]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EPO104
Applications:	IF, IHC
Recommended Dilution:	ELISA: For coating, order Ab without BSA. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Immunohistochemistry on Frozen Sections: 0.5-1.0 µg/ml for 30 minutes at RT. Positive Control: MCF-7 cells, Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Eosinophils from a patient with hypereosinophilic syndrome.
Specificity:	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). 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. Cellular Localization: Cytoplasmic, granular.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography



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Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	70 kDa (55 kDa-Heavy Chain; 15 kDa-Light Chain)
Gene Name:	eosinophil peroxidase
Database Link:	Entrez Gene 8288 Human P11678
Background:	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.
Synonyms:	EPX, EPER, EPO, EPP