

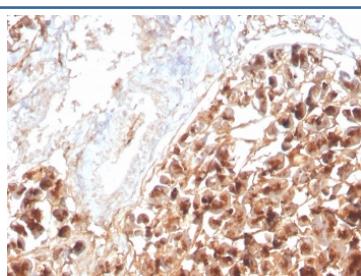
Recombinant Eosinophil Peroxidase Antibody [clone rEPO104] (V8515)

Catalog No.	Formulation	Size
V8515-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8515-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8515SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

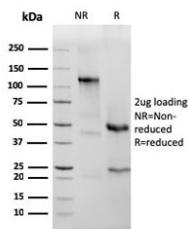
Recombinant **MOUSE MONOCLONAL**

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rEPO104
Purity	Protein G affinity chromatography
UniProt	P11678
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT Flow Cytometry : 0.5-1ug/million cells Immunofluorescence : 0.5-1ug/ml
Limitations	This recombinant Eosinophil Peroxidase antibody is available for research use only.



IHC staining of FFPE human pancreas with recombinant Eosinophil Peroxidase antibody (clone rEPO104). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Eosinophil Peroxidase antibody (clone rEPO104) as confirmation of integrity and purity.

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

Application Notes

Optimal dilution of the recombinant Eosinophil Peroxidase antibody should be determined by the researcher.

Immunogen

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

Storage

Store the recombinant Eosinophil Peroxidase antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).