

Eosinophil Peroxidase Antibody / EPO [clone AHE-1] (V2302)

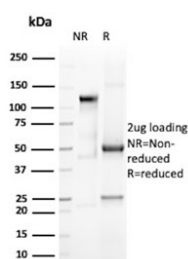
| Catalog No. | Formulation | Size |
|----------------|----------------------------------------------------------------------------|--------|
| V2302-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2302-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2302SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |



Citations (6)

[Bulk quote request](#)

| | |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | AHE-1 |
| Purity | Protein G purified monoclonal antibody |
| Gene ID | 8288 |
| Localization | Cytoplasmic, granular |
| Applications | ELISA (order BSA/sodium Azide-free Format For Coating) : Immunofluorescence : 1-3ug/ml Flow Cytometry : 1-2ug/million cells |
| Limitations | This Eosinophil peroxidase antibody is available for research use only. |



SDS-PAGE analysis of purified, BSA-free Eosinophil peroxidase antibody (clone AHE-1) 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

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.

1. [EPO detection by ELISA using mAb AHE-1](#)

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 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (2)