

# Product Datasheet

## EPX Antibody (rEPO104) [Janelia Fluor® 646] NBP3-08457JF646

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP3-08457JF646**

EPX Antibody (rEPO104) [Janelia Fluor® 646]

| Product Information |   |
|---------------------|---|
| Unit Size           | 100 ul  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | rEPO104   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Janelia Fluor 646   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Mouse   |
| Gene ID                 | 8288  |
| Gene Symbol             | EPX   |
| Species                 | Human   |
| Specificity/Sensitivity | 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 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). |
| Immunogen               | Human eosinophils from a patient with hypereosinophilic syndrome (Uniprot: P11678 )   |
| Notes                   | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.                                      |





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### **Products Related to NBP3-08457JF646**

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|                   |  |
|-------------------|--|
| H00008288-P01-2ug | Recombinant Human EPX GST (N-Term) Protein |
| 210-TA-005        | TNF-alpha [Unconjugated]                   |
| NBP3-18715        | Human EPX ELISA Kit (Colorimetric)         |
| NB100-105         | HIF-1 alpha Antibody (H1alpha67)           |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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