

# Product Datasheet

## CD117/c-kit Antibody (ACK2) [PE] NBP1-43821-0.2mg

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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**NBP1-43821-0.2mg**

CD117/c-kit Antibody (ACK2) [PE]

| Product Information |  |
|---------------------|--|
| Unit Size           | 0.2 mg   |
| Concentration       | 0.2 mg/ml  |
| Storage             | Store at 4C. Do not freeze.  |
| Clonality           | Monoclonal   |
| Clone               | ACK2   |
| Preservative        | 0.09% Sodium Azide   |
| Isotype             | IgG2b Kappa  |
| Conjugate           | PE   |
| Purity              | Protein A or G purified  |
| Buffer              | Aqueous buffer, may contain carrier protein/stabilizer (proprietary) |

| Product Description     |   |
|-------------------------|---|
| Host                    | Rat   |
| Gene ID                 | 3815  |
| Gene Symbol             | KIT   |
| Species                 | Human, Mouse, Guinea Pig  |
| Reactivity Notes        | Human reactivity reported in scientific literature (PMID: 23967247). Guinea Pig reactivity reported in scientific literature (PMID: 21654812) |
| Marker                  | Hematopoietic Stem Cell Marker  |
| Specificity/Sensitivity | The ACK2 monoclonal antibody reacts with mouse CD117, also known as c-Kit receptor, Steel factor receptor and stem cell factor receptor.      |
| Immunogen               | Mouse CD117   |
| Endotoxin Note          | Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Flow Cytometry   |
| Recommended Dilutions       | Flow Cytometry 1:10-1:1000   |
| Application Notes           | The ACK2 antibody has been tested by flow cytometric analysis of mouse bone marrow cell suspensions. This can be used at less than or equal to 0.125 ug per test. Cell number should be determined empirically but can range from 10 <sup>5</sup> to 10 <sup>8</sup> cells/test. |

**Publications**

Meyer S, Maufort JP, Nie J et al. Development of an Efficient Targeted Cell-SELEX Procedure for DNA Aptamer Reagents PLoS One 2013-08-23 [PMID: 23967247] (FLOW, Human)

Fu W, Song B, Li W et al. Ultrastructural features and possible functional role of kit-positive interstitial cells in the guinea pig corpus cavernosum Int J Impot Res 2011-06-10 [PMID: 21654812] (FLOW, Guinea Pig)





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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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