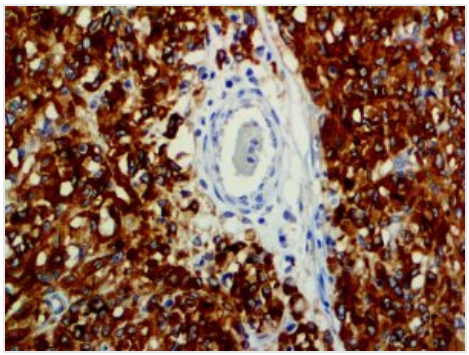
# CD117 Antibody – Rabbit Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | CD117, Monoclonal Antibody |
| **Full Product Name** | CD117 (RM359) |
| **Product Gene Name** | anti-CD117 antibody |
| **Product Synonym Names** | c Kit; CD117; Kit; cKit; anti c Kit; anti c-Kit; anti CD117; anti cKit; anti-c Kit; anti-c-Kit; anti-CD117; anti-cKit; belly spot; Bs; c kit proto oncogene protein; dominant spotting; Dominant white spotting; Fdc; Gsfsco1; Gsfsco5; Gsfsow3; kit oncogene; Mast stem cell growth factor receptor Kit; proto oncogene c Kit; proto oncogene tyrosine protein kinase Kit; SCFR; SCO1; SCO5; SOW3; spotted sterile male; Ssm; Steel Factor Receptor; Tr kit; Tyrosine protein kinase Kit; W |
| **Clonality** | Monoclonal |
| **Isotype** | IgG |
| **Clone Number** | RM359 |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Monkey, Predicted: Marmoset |
| **Form/Format** | Paraffin, Frozen<br>CD117 is rabbit monoclonal antibody from supernatant diluted in Phosphate Buffered Saline, pH7.6, with protein base, and preserved with Sodium Azide preservative. |
| **Preparation and Storage** | Store at 2-8 degree C (Control Slides: Store at 20-25 degree C) |
| **Immunogen** | A peptide corresponding to the C-terminus of human CD117/c-Kit. |
| **Control** | Skin, Testis, Breast, GIST, Colon, Brain, Tonsil |
| **Localization** | Cytoplasmic, Membranous, Nuclear |
| **ISO Certification** | Manufactured in an ISO 13485:2016 Certified Laboratory. |
| **Related Product Information for anti-CD117 antibody** | CD117 is a tyrosine-kinase receptor for stem cell factor (SCF), also known as "steel factor" or "c-kit ligand". C-kit is a polypeptide that activates bone marrow precursors of a number of blood cells, but its receptor is also present in other cells. C-kit mutations in the interstitial cells of Cajal in the digestive tract are probably the key to Gastrointestinal Stromal Tumors (GISTs).<br>CD117 antibody reacts with interstitial cells of Cajal, germ cells, bone marrow stem cells, melanocytes, breast epithelium and mast cells. This receptor is found on a wide variety of tumor cells (Follicular and Papillary Carcinoma of the Thyroid, Adenocarcinomas from endometrium, lung, ovary, pancreas, breast; Malignant Melanoma, Endodermal Sinus Tumor, Small-cell Carcinoma) but has been particularly useful in differentiating Gastrointestinal Stromal Tumors (GIST) from Kaposi's Sarcoma and tumors of smooth-muscle origin. |
| **Product References and Citations for anti-CD117 antibody** | 1. Blood Research. "Splenic Myeloid metaplasia in warm autoimmune hemolytic anemia (wAIHA): a retrospective study". |
| **Other Notes** | Small volumes of anti-CD117 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for CD117 purchase** | MBS370523 is an antibody targeting CD117. Also known as CD117 (RM359). Reactive in Human, Monkey, Predicted: Marmoset. Host: Rabbit. |

| Antibody Type | Dilution | Volume/QTY |
|---|---|---|
| Prediluted | Ready-To-Use | 3.0 ml |
| Prediluted | Ready-To-Use | 7.0 ml |
| Prediluted | Ready-To-Use | 15.0 ml |
| Concentrated | 1:100-1:500 | 0.1 ml |
| Concentrated | 1:100-1:500 | 0.5 ml |
| Concentrated | 1:100-1:500 | 1.0 ml |
| Control Slides | | 5 |

**Dilution Information of anti-CD117 antibody**



**Immunohistochemistry (IHC) of anti-CD117 antibody**
CD117 Antibody Immunohistochemistry on an FFPE GIST Tissue

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD117. It may not necessarily be applicable to this product.

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| **Protein Family** | Mast/stem cell growth factor receptor |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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