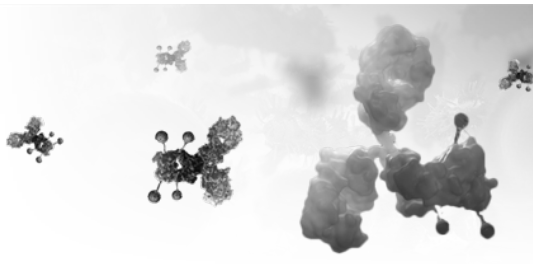

# Anti-KIT monoclonal antibody, clone 677DU9.6.5 (DCABY-1201)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | This gene encodes the human homolog of the proto-oncogenec-kit. C-kit was first identified as the cellular homolog of thefeline sarcoma viral oncogene v-kit. This protein is a type 3transmembrane receptor for MGF (mast cell growth factor, also knownas stem cell factor). Mutations in this gene are associated withgastrointestinal stromal tumors, mast cell disease, acutemyelogenous lukemia, and piebaldism. Multiple transcript variantsencoding different isoforms have been found for this gene. |
| **Specificity** | This KIT Antibody is generated from mouses immunized with human KIT recombinant protein. |
| **Isotype** | IgM |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Clone** | 677DU9.6.5 |
| **Conjugate** | Unconjugated |
| **Applications** | IF, WB |
| **Molecular Weight** | 109865 Da |
| **Format** | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS. |
| **Size** | 50 µl, 100 µl, 200 µl |
| **Preservative** | 0.09% Sodium Azide |
| **Storage** | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small |

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| | |
|---|---|
| | aliquots to prevent freeze-thaw cycles. |
| **Ship** | Blue ice |

# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog [ Homo sapiens (human) ] |
| **Official Symbol** | KIT |
| **Synonyms** | KIT; SCFR; Mast/stem cell growth factor receptor Kit; Piebald trait protein; Proto-oncogene c-Kit; Tyrosine-protein kinase Kit; p145 c-kit; v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog; CD_antigen=CD117; Flags: Precursor |
| **Entrez Gene ID** | 3815 |
| **Protein Refseq** | NP_000213 |
| **UniProt ID** | A0A024RDA0 |
| **Chromosome Location** | 4q12 |
| **Pathway** | Acute myeloid leukemia; Adaptive Immune System; C-MYB transcription factor network; Cardiac Progenitor Differentiation; Constitutive PI3K/AKT Signaling in Cancer; Cytokine-cytokine receptor interaction; DAP12 interactions; DAP12 signaling; |
| **Function** | ATP binding; cytokine binding; metal ion binding; protease binding; protein binding; protein homodimerization activity; protein tyrosine kinase activity; receptor signaling protein tyrosine kinase activity; stem cell factor receptor activity; transmembrane receptor protein tyrosine kinase activity |

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