

Monoclonal Antibody to CD117 / c-kit - PE

Alternate names:	KIT, Mast/stem cell growth factor receptor, Proto-Oncogene Tyrosine-Protein Kinase, SCFR
Catalog No.:	SM052R
Quantity:	100 Tests
Concentration:	0.1 mg/ml
Background:	CD117 is the receptor of the steel factor (Stem Cell Factor). C-kit receptor is expressed on 5-10% of total adult bone marrow cells including multipotent hematopoietic cells.
Uniprot ID:	P05532
NCBI:	NP_066922.2
GeneID:	16590
Host / Isotype:	Rat / IgG2b
Clone:	2B8
Immunogen:	IL-3 dependent mast cells. Spleen cells from immunised Wistar rats were fused with cells of the Fox-NY mouse myeloma cell line.
Format:	State: Lyophilized purified IgG fraction. Purification: Affinity Chromatography on Protein A. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with distilled water.
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with CD117 also known as Kit or c-kit receptor. Clone 2B8 recognises an epitope within the extracellular region of CD117. Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. This product is photosensitive and should be protected from light. DO NOT FREEZE! Shelf life: One year from despatch.
General References:	1. Ikula, K. and Weissman, I.L. (1992). Proc. Nat. Acad. Sci. USA: 89:1502-1506. 2. Fleming, W.H. et al. (1993) Proc. Natl. Acad. Sci. USA 90: 3760-3764. 3. Rico-Vargas, S.A. et al. (1994) J. Immunol. 152: 2845-2852. 4. Manova, K. et al. (1992) J. Neurosci. 12: 4663-4676.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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5. Maeda, H. et al. (1992) Development 116: 369-375.
6. Takagi, M. et al. (1992) J. Immunol. 148: 3446-3453.
7. de Vrics, P. et al. (1992) J. Exp. Med. 176: 1503-1509.
8. Yoshinaga, K. et al. (1991) Development 113: 689-699.

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