

CD117 Monoclonal Antibody | anti-CD117 antibody

Anti-Mouse CD117, FITC (Clone ACK4) (rat IgG2a)

CATALOG #
AAA74131

APPLICATIONS
Immunohistochemistry, Flow Cytometry, Functional Assay

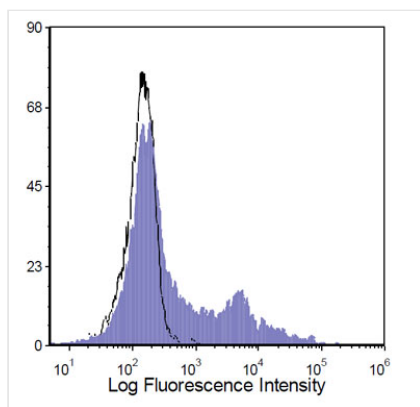
PRODUCT SYNONYMS

CD117; Monoclonal Antibody; Anti-Mouse CD117; FITC (Clone ACK4) (rat IgG2a); FITC Anti-Mouse CD117 (c-kit) Monoclonal Antibody; anti-CD117 antibody

PRODUCT SPECIFICATIONS

Clonality	Monoclonal
Clone Number	ACK4
Specificity	Mouse CD117 (c-kit)
Form/Format	FITC conjugated IgG buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
Applicable Applications for anti-CD117 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Hybridoma Production	Immunization: Immunogen: IL-3 dependent mast cells derived from WB- +/- mice Donor: Wistar spleen
Fusion Partner	X63.653. Ag8
Strains Tested	AKR, BALB/c, C3H/He, C57BL/6 Positive: AKR, BALB/c, C3H/He, C57BL/6 Negative: None
Preparation and Storage	For long term storage aliquot and freeze unused portion at -20°C in volumes appropriate for single use. Avoid freeze/thaw cycles.

IMAGES



Application Data

Test Results: Tissue Distribution by Flow Cytometry Analysis: Mouse Strain: BALB/c Cell Concentration: 1x10⁶ cells per test Antibody Concentration Used: 0.2 ug/10⁶ cells Balb/c bone marrow was stained with anti-CD117 (clone: ACK4) (filled histogram) or rat IgG2a isotype control (open histogram).

ADDITIONAL INFORMATION

Related Product Information for anti-CD117 antibody	Anti-mouse CD117 monoclonal antibody recognizes the receptor tyrosine kinase, c-kit. The ligand for this receptor is steel factor (stem cell factor), which exists in both soluble and membrane form. The interaction between steel factor and c-kit is essential for the development of hematopoietic, gonadal and pigment stem cells. c-kit positive cells are a subset of CD34+ hematopoietic precursor cells and it is expressed on 5-10% of total adult bone marrow cells.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd117-antibody-clone-ack4-immunohistochemistry-flow-cytometry-elisa/74131>