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43-1068: Monoclonal Antibody to Mouse CD117 (c-Kit) NALE™ Purified (Clone: ACK2)

Clonality :	Monoclonal
Clone Name :	ACK2
Application :	FACS
Reactivity :	Mouse
Gene :	Kit
Gene ID :	16590
Uniprot ID :	P05532
Alternative Name :	Sl, Proto-oncogene c-Kit, Tyrosine-protein kinase Kit
Isotype :	Rat IgG2b, kappa

Description

The ACK2 monoclonal antibody specifically reacts with mouse CD117 (c-Kit receptor), a 145 kDa transmembrane tyrosine-kinase receptor encoded by the Kit gene. The c-Kit receptor, also known as stem cell factor receptor, is expressed on hematopoietic progenitor cells in adult bone marrow, in progenitors of erythroid and myeloid lineages, and precursors of B and T cells. CD117 enhances the proliferation and the differentiation of the hematopoietic progenitor cells and seems to enhance the development of T cells, as the c-Kit receptor and its ligand are expressed by the thymus.

Product Info

Amount :	100ug / 500 µg
Content :	2 mg/ml in Phosphate-buffered aqueous solution, ph7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.