

## c-Kit antibody [ACK2] (APC-Cy7)

Cat. No. GTX01469-15

<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Applications</b>	FCM
<b>Reactivity</b>	Mouse

References ( 7 )

Package

100 µg

## PRODUCT

## Summary

The ACK2 antibody is specific for CD117, also called c-Kit, a 145 kDa cytokine receptor important in the development of hematopoietic stem cells, in oogenesis, and for functional activity of immune cells such as NK and mast cells. c-Kit binds to a ligand known as stem cell factor (SCF), or alternatively as mast cell growth factor. Ligand binding promotes the activation (dimerization) and subsequent tyrosine kinase activity of the c-Kit receptor and triggers key survival, expansion and maturation signals during hematopoietic progenitor cell development. Conversely, shedding of extracellular domain of c-Kit receptor is reported to induce inactivation or apoptosis within these cells. The survival signaling activity of c-Kit confers a proto-oncogenic attribute to the receptor, as overexpression or mutations in this protein are associated with tumor development. The ACK2 antibody is widely utilized as a marker to identify hematopoietic progenitors, and to neutralize receptor-ligand binding in vitro and in vivo.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

## Suggested dilution

## Recommended dilution

FCM	Assay dependent
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Not tested in other applications.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin
<b>Preservative</b>	0.09% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
<b>Concentration</b>	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Purification</b>	Purified by affinity chromatography From tissue culture supernatant
<b>Conjugation</b>	Allophycocyanin-Cyanine7 (APC-Cy7) <a href="#">Wavelength</a>



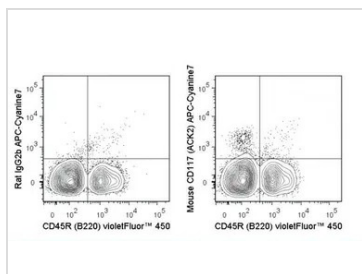
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**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES

**GTX01469-15 FCM Image**

FACS analysis of mouse C57Bl/6 bone marrow cells using GTX01469-15 c-Kit antibody [ACK2] (APC-Cy7).  
Right panel : co-stained with c-Kit antibody [ACK2] (APC-Cy7) and Mouse CD45R antibody (violetFluor™ 450)

Left panel : co-stained with isotype control and Mouse CD45R antibody (violetFluor™ 450)  
antibody amount : 0.25 µg (5 µl)



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