

## Anti-c-Kit Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9258-Fluoro488

### About KIT

SCFR (Mast/stem cell growth factor receptor), also known as KIT ONCOGENE or CD117, is a protein that in humans is encoded by the KIT gene. KIT was first described as the cellular homolog of the feline sarcoma viral oncogene v-kit. The KIT gene is mapped on 4q12. Kit was expressed on the surface of germ cells up to the pachytene stage. Signaling from the KIT receptor tyrosine kinase is essential for primordial germ cell growth both in vivo and in vitro. Determination of the KIT effectors acting in primordial germ cells has been hampered by the lack of effective methods to manipulate easily gene expression in these cells.

### Overview

Product Name	Anti-c-Kit Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P10721

### Technical Details

Immunogen	E.coli-derived human c-Kit recombinant protein (Position: Q26-S285). Human c-Kit shares 66% amino acid (aa) sequence identity with mouse c-Kit.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 18 Publications Citing This Product

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1. PubMed ID: 10.14309/ctg.0000000000000388, The Number of Interstitial Cells of Cajal Differs Among Different Subtypes of Achalasia and is Related to Patients Prognosis
2. PubMed ID: 10.1159/000204750, Isolation, Culture and Characterization of Cardiac Progenitor Cells Derived from Human Embryonic Heart Tubes
3. PubMed ID: 25311085, Li Jt, Wang Lf, Zhao Yi, Yang T, Li W, Zhao J, Yu F, Wang L, Meng Yi, Liu Nn, Zhu Xs, Gao Cf, Jia Lt, Yang Ag. Breast Cancer Res. 2014 Oct 14;16(5):454. Doi: 10.1186/S13058-014-0454-2. Nuclear Factor Of Activated T Cells 5 Maintained By Hotair Sup...

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