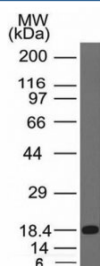


## c-Kit Antibody [clone KIT/983] (V2649)

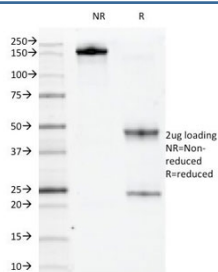
Catalog No.	Formulation	Size
V2649-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2649-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2649SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	KIT/983
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P10721
<b>Localization</b>	Cell surface and cytoplasmic
<b>Applications</b>	Western Blot : 2-4ug/ml
<b>Limitations</b>	This c-Kit antibody is available for research use only.



Western blot of a recombinant protein fragment with c-Kit antibody (KIT/983).



SDS-PAGE Analysis of Purified, BSA-Free c-Kit Antibody (clone KIT/983). Confirmation of Integrity and Purity of the Antibody.

## Description

This mAb recognizes a protein of 145kDa, identified as CD117/p145kit/c-Kit. It is found on a wide variety of tumor cells including follicular and papillary carcinoma of thyroid, adenocarcinomas from endometrium, lung, ovary, pancreas, and breast as well as malignant melanoma, endodermal sinus tumor, and small cell carcinoma. However, anti-CD117/c-Kit has been particularly useful in differentiating gastrointestinal stromal tumors from Kaposi's sarcoma, tumors of smooth muscle origin, fibromatosis, and neural tumors of the GI tract. Anti-CD117/c-Kit is also useful in recognizing myeloblasts in bone marrow biopsy and clot section.

## Application Notes

Optimal dilution of the c-Kit antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min

## Immunogen

A recombinant human fragment around amino acids 100-300 was used as the immunogen for the c-Kit antibody.

## Storage

Store the c-Kit antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).