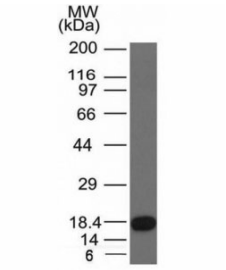
c-Kit Antibody [clone KIT/982] (V2648)

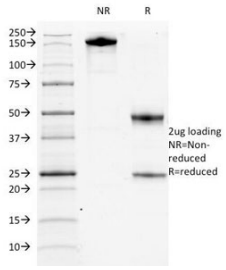
Catalog No.	Formulation	Size
V2648-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2648-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2648SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

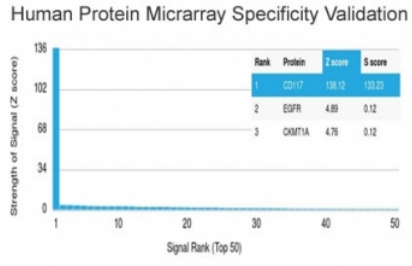
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KIT/982
Purity	Protein G affinity chromatography
UniProt	P10721
Localization	Cell surface and cytoplasmic
Applications	Western Blot : 0.5-1ug/ml for 2 hours at RT
Limitations	This c-Kit antibody is available for research use only.



Western blot of a recombinant protein fragment with c-Kit antibody (KIT/982).



SDS-PAGE Analysis of Purified, BSA-Free c-Kit Antibody (clone KIT/982). Confirmation of Integrity and Purity of the Antibody.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using c-Kit antibody (clone KIT/982). These results demonstrate the foremost specificity of the KIT/982 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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.

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).