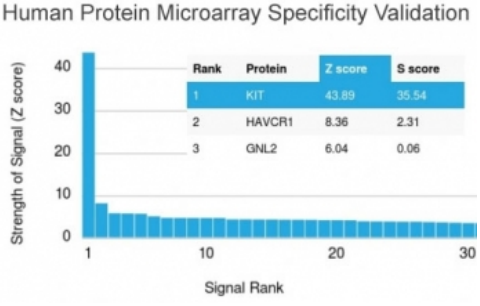
CD117 Antibody / c-Kit [clone KIT/2674] (V7486)

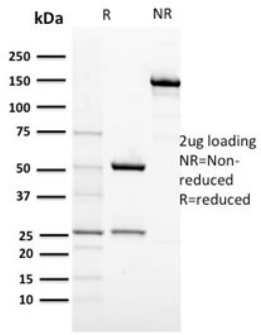
Catalog No.	Formulation	Size
V7486-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7486-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7486SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7486IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c, kappa
Clone Name	KIT/2674
Purity	Protein G affinity chromatography
UniProt	P10721
Localization	Cell surface and cytoplasmic
Applications	ELISA (order BSA/sodium azide-free format for coating) :
Limitations	This CD117 antibody is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD117 antibody (clone KIT/2674). These results demonstrate the foremost specificity of the KIT/2674 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.



SDS-PAGE analysis of purified, BSA-free CD117 antibody (clone KIT/2674) as confirmation of integrity and purity.

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 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 is also useful in recognizing myeloblasts in bone marrow biopsy and clot section.

Application Notes

Optimal dilution of the CD117 antibody should be determined by the researcher.

Immunogen

A full length recombinant human protein was used as the immunogen for the CD117 antibody.

Storage

Store the CD117 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering:Phone:858.663.9055 | Fax:1.267.821.0800 | Email:info@nsjbio.com
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