

Product Datasheet

CD117/c-kit Antibody (104D2)

NB600-765

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Product Information	
Unit Size	0.05 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	104D2
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	Phosphate buffered saline

Product Description	
Host	Mouse
Gene ID	3815
Gene Symbol	KIT
Species	Human, Mouse, Bovine, Monkey
Reactivity Notes	Cross reacts with Cynomolgus Monkey. Mouse reactivity reported in scientific literature (PMID: 24664884) Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Hematopoietic Stem Cell Marker
Specificity/Sensitivity	This recognises the human c-Kit. c-Kit is expressed by some haematopoietic stem cells (approx. 70% of CD34 +ve cells in normal bone marrow are c-Kit +ve), by some acute myeloid leukaemias and by mast cells. This is non-neutralising.
Immunogen	Unfortunately, this information is considered to be commercially sensitive

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Flow Cytometry 1:2-1:20, Immunocytochemistry/Immunofluorescence
Application Notes	Flow Cytometry Use at a dilution of 1/2 - 1/20. Use 10ul of the suggested working dilution to label 106 cells in 100ul. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24664884)

Publications

Wickham AM, Islam MM, Mondal D et al. Polycaprolactone-thiophene-conjugated carbon nanotube meshes as scaffolds for cardiac progenitor cells. J. Biomed. Mater. Res. Part B Appl. Biomater. 2014-03-24 [PMID: 24664884] (ICC/IF, FLOW, Mouse)





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis.
Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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