

# Novocastra™ Lyophilized Mouse Monoclonal Antibody c-kit Oncoprotein (CD117)

## Product Code: NCL-cKIT

<b>Intended Use</b>	FOR RESEARCH USE ONLY.
<b>Specificity</b>	Human c-kit oncoprotein (CD117). Also known as stem cell factor receptor.
<b>Clone</b>	57A5D8
<b>Ig Class</b>	IgG1
<b>Antigen Used for Immunizations</b>	UT-7 cell line.
<b>Hybridoma Partner</b>	Mouse myeloma (SP2/0).
<b>Preparation</b>	Lyophilized tissue culture supernatant containing 15 mM sodium azide. Reconstitute with the volume of sterile distilled water indicated on the vial label.
<b>Effective on Frozen Tissue</b>	Yes
<b>Effective on Paraffin Wax Embedded Tissue</b>	No
<b>Recommendations on Use</b>	Immunohistochemistry: Typical working dilution 1:200–1:400. 60 minutes primary antibody incubation at 25 °C. Standard ABC technique. Western Blotting: Not evaluated.
<b>Positive Controls</b>	Immunohistochemistry: Normal skin; epidermal melanocytes. Western Blotting: Not evaluated.
<b>Staining Pattern</b>	Mainly membrane staining with some diffuse cytoplasmic staining.
<b>Storage and Stability</b>	Store unopened lyophilized antibody at 4 °C. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 4 °C. For long term storage, it is recommended that aliquots of the antibody are frozen at -20 °C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.
<b>General Overview</b>	The c-kit proto-oncogene encodes a transmembrane tyrosine kinase receptor, c-kit (CD117) which is closely related to the platelet derived growth factor family. c-kit plays a role during hematopoiesis, gametogenesis and melanogenesis.
<b>General References</b>	Natali P G, Nicotra M R, Sures I, et al.. International Journal of Cancer. 52: 713–717 (1992). Natali P G, Nicotra M R, Winkler A B, et al.. International Journal of Cancer. 52: 197–201 (1992).

