Product Data Sheet

Anti-myc tag, human c-myc antibody

Rabbit monoclonal antibody (IgG)

Catalog#: Vli01

Rev. December 2020

Quantity:	0.2 ml bioreactor supernatant	***Lot #***	Please refer to vial
Clone ID:	Vli01	***Mol Weight:***	n/a
Species Cross-Reactivity:	human	***Swiss Prot:***	n/a
Applications:	WB, IHC-P, ICC, IP	***Price:***	US $

Background:
n/a

Specificity:
The antibody was raised against a synthetic peptide corresponding to the human c-myc epitope tag (EQKLISEEDL). It cross-reacts with the endogenous human c-myc proto-oncogene.

Reconstitution & Storage:
Dehydrated antibodies are shipped at ambient temperature. To make antibody stock solution from dehydrated supernatant, rehydrate as indicated on the vial label. Store reconstituted antibody at -20°C.

Purity:
Dehydrated bioreactor hybridoma supernatant.

Recommended Dilution*:
Western blotting (1:2,000-100,000)
Immunohistochemistry paraffin/formalin (1:1,000-10,000)
Immunocytochemsitry (1:1,000-10,000)
Immunoprecipitation
Other applications not tested.
**Final dilution needs to be optimized by user.*

Application Notes:
The antibody detects N terminal myc tags, C terminal myc tags and myc/6xHis tags. It is suitable for detection of the endogenous c-myc proto-oncogene expressed in human cancers. For immunohistochemistry, heat antigen retrieval with citrate buffer (10mM, pH6.0, 0.05% Tween-20) is recommended. Cross-reactivity with an epitope present in mouse myeloid progenitor cells by IHC is obwerved.

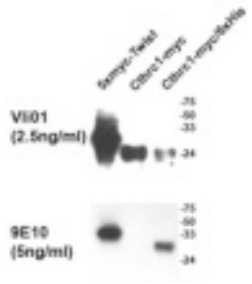

Fig.1 Western blots of HEK293 cells transfected with expression vectors for N terminal 5xmyc, C terminal myc, and C terminal myc/6xHis tagged proteins were probed with Vli01 and for comparison with mouse monoclonal anti-myc 9E10. Exposure times were identical.

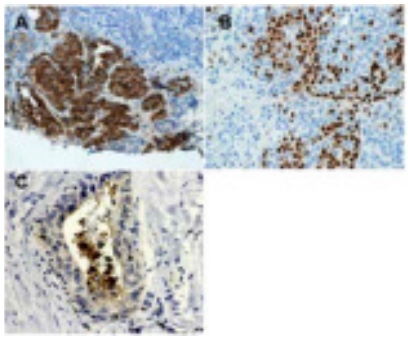

Fig. 2. Immunohistochemistry on formalin fixed, paraffin embedded, transgenic mouse tumors expressing **A)** a C terminally myc tagged transgene, and **B)** an N terminal 5xmyc tagged transgene. **C)** Expression of the endogenous c-myc proto-oncogene in a human papillary thyroid carcinoma (1:5000 dilution, ~8ng/ml).

References:
Cuttler AS, et al. Genesis 2011; 49:673-680. PMC3244048
Min et al. Am J Pathol 2019; 189:1091-1104
Molina L, et al. Oncotarget 2019; 10:1475-1490
Michael AOA, et al. Cell Metabolism 2019; 29:1135-1150
Liu P, et al. Gastroenterology 2020; 158:1029-1043