Datasheet for ABIN7581767

Recombinant anti-Myc Tag antibody (AA 408-439)

3 Images

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Overview

Quantity:	100 µg
Target:	Myc Tag
Binding Specificity:	AA 408-439
Reactivity:	Tag
Host:	Rabbit
Expression System:	Phage display
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Myc Tag antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Rabbit Anti-c-myc Antibody, animal-free mAb
Immunogen:	No immunization, animal-free antibody development. Origin of original 9E10 clone: A synthetic peptide corresponding to aa 408-439 from C-terminus of human c-myc
Clone:	TUN219-2C1 (9E10)
Isotype:	IgG
Specificity:	This is an antibody originating from 9E10 hybridoma clone. Improved via phage display technology. Affinity and thermal stability improved over original mouse IgG clone 9E10
Cross-Reactivity (Details):	No known cross reactivity. No binding to native c-Myc protein.

Product Details

Characteristics:	This antibody can be detected with anti-rabbit Fc secondary antibodies.
Purification:	Protein A purification
Grade:	Animal-Free

Target Details

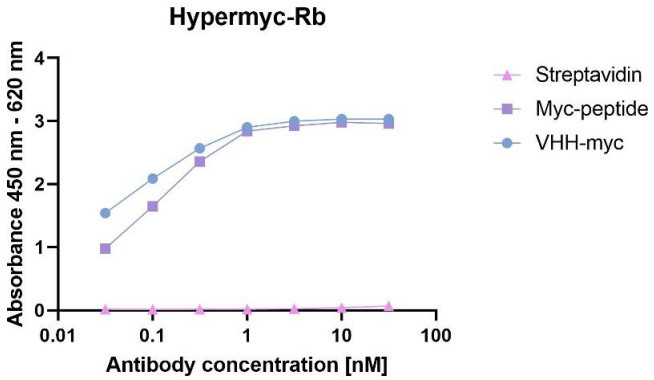
Target:	Myc Tag
Alternative Name:	c-myc tag (Myc Tag Products)
Target Type:	Tag
Background:	Synthetic peptide of human c-Myc, aa408-439. The c-Myc or myc-tag is widely used to detect the expression of recombinant proteins in bacteria, yeast, insect and mammalian cell systems. Hyper-Myc is an improved engineered anti c-Myc Tag antibody. It shows a higher affinity and stability in direct comparison to hybridoma antibody 9E10 that shares the same epitope. It is further thoroughly characterized by cross-reactivity profiling on 28895 human epitopes showing higher specificity and increased monovalent affinity.
Molecular Weight:	1.2 kDa

Application Details

Application Notes:	Western Blot: 0.2-5 µg/mL ELISA: 1-12 µg/mL as coating antibody 0.5-5 µg/mL as detection antibody IF: 0.1 - 10 µg/mL Optimal working dilution should be determined by the investigator
Restrictions:	For Research Use only

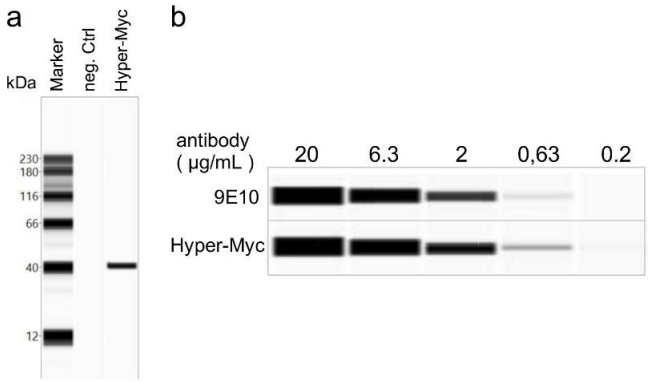
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4,
Storage:	-20 °C



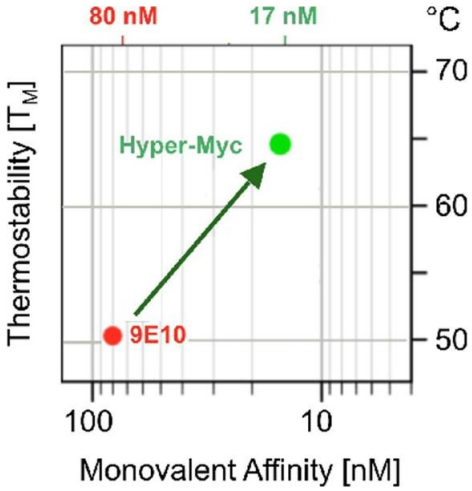
ELISA

Image 1. Streptavidin, myc-peptide and VHH-my were coated on an ELISA plate at 100 ng, respectively. Hypermyc-Rb was titrated on top. Detection with anti-rabbit HRP conjugated antibody. Binding reactions were visualized using TMB. Absorbance was measured in an ELISA plate reader at 450 nm using the signal at 620 nm as reference.



Western Blotting

Image 2. Quantitative immunodetection of a myc tagged protein using the automated Protein Simple Western Immunoassay system. Quantified chemiluminescence was automatically converted to gel- like pictures by the system. a, whole chromatogram, b, comparison of the detected bands, either stained with 9E10 or Hyper-Myc. Hyper-Myc provides improved detection sensitivity compared to hybridoma antibody 9E10



Bio-Layer Interferometry

Image 3. Improvement of affinitiy and Fv-region thermal stability of Hyper-Myc compared to hybridoma antibody Myc1- 9E10 recognizing the myc-epitope