Datasheet for ABIN7581766

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

2 Images

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Overview

Quantity:	100 µg
Target:	Myc Tag
Binding Specificity:	AA 408-439
Reactivity:	Tag
Host:	Mouse
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:	Mouse 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:	IgG2a
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-mouse Fc secondary antibodies.
Purification:	Protein A purification
Grade:	Animal-Free

Target Details

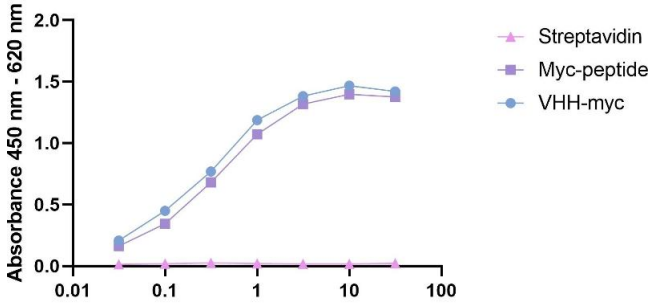
Target:	Myc Tag
Alternative Name:	c-myc tag (Myc Tag Products)
Target Type:	Tag
Background:	Synthetic peptide of human c-Myc, aa408-439. The c-Myc or myc-tag is widely used to detect the expression of recombinant proteins in bacteria, yeast, insect and mammalian cell systems. Hyper-Myc is an improved 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

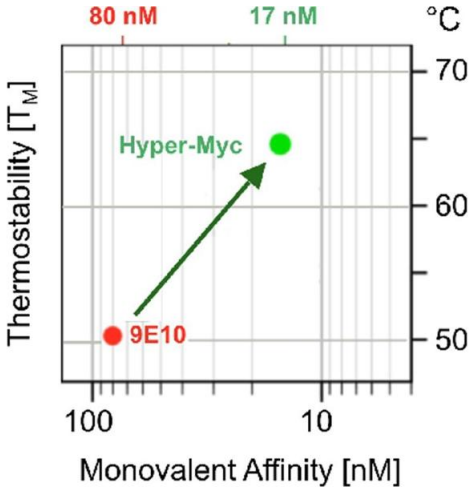
Handling

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-M was titrated on top. Detection with anti-mouse 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.



Bio-Layer Interferometry

Image 2. Improvement of affinitiy and Fv-region thermal stability of Hyper-Myc compared to hybridoma antibody Myc1- 9E10 recognizing the myc-epitope