Datasheet for ABIN7581784

Recombinant Mouse anti-Rabbit IgG Antibody (HRP)

3 Images

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Overview

Quantity:	500 µL
Target:	IgG
Reactivity:	Rabbit
Host:	Mouse
Expression System:	Phage display
Antibody Type:	Recombinant Antibody
Clonality:	Multiclonal
Conjugate:	HRP
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	recombinant Multiclonal anti-rabbit IgG
Immunogen:	No immunization, animal-free antibody development
Isotype:	IgG2a
Specificity:	This is an antibody developed by antibody phage display technology using a human naive antibody gene library and rabbit IgG antigen. For this antibody both the heavy and light chains are cloned and expressed, generating full-length antibodies.
No Cross-Reactivity:	Goat, Human, Mouse
Cross-Reactivity (Details):	No known cross reactivity. No cross reactivtiy to mouse IgG, human IgG, goat IgG. Other species were not tested.

Product Details

Characteristics:	Multiclonals are recombinant secondary antibodies that combine the best of polyclonal antisera and hybridoma monoclonal antibodies, while eliminating their disadvantages, plus they add the quality of recombinant reagents. Multiclonal antibodies consist of carefully adjusted mixtures recognizing different epitopes on all subclasses of rabbit IgG. Their respective epitope binding sites do not compete with each other, therefore amplifying signal strengths. Multiclonals can contain up to 17 different individually tested monoclonal recombinant antibodies. This provides the typical advantage of polyepitope recognition which is key to the broad application profile of polyclonal antisera, but eliminates their disadvantages (limited batch sizes and batch-to-batch variations, no long-term reproducibility, undefined composition, unknown constituents). Multiclonals are completely sequence defined, implying their unlimited long-term availability and always identical test results. Their composition of individually characterised antibodies minimizes cross-reactivity with other targets, since they do not contain non-target directed IgG like all animal derived polyclonals do. This allows for a much lower unspecific binding reactivity in many assays compared to animal based products.
Purification:	Protein A purification
Grade:	Animal-Free

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Molecular Weight:	150 kDa

Application Details

Application Notes:	Western Blot: 1:1,000 - 1:20,000 ELISA: 1:1,000 - 1:50,000 Optimal working dilution should be determined by the investigator
Restrictions:	For Research Use only

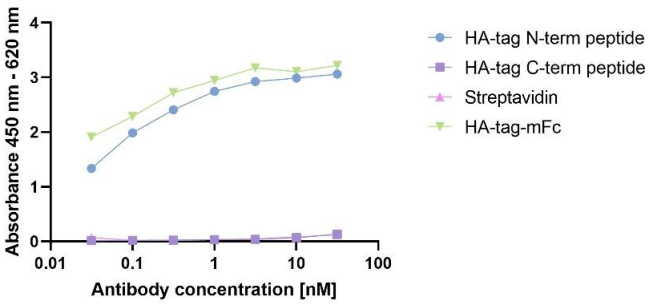
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, 0,02 % ProClin300
Preservative:	ProClin

Handling

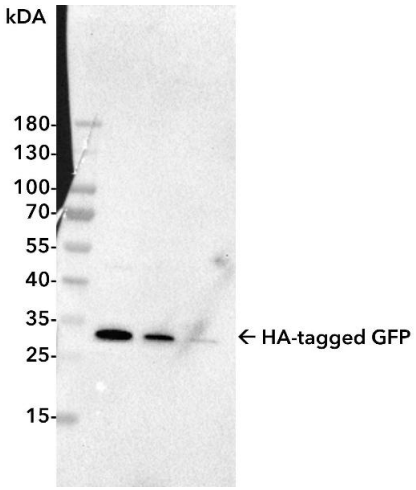
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Images



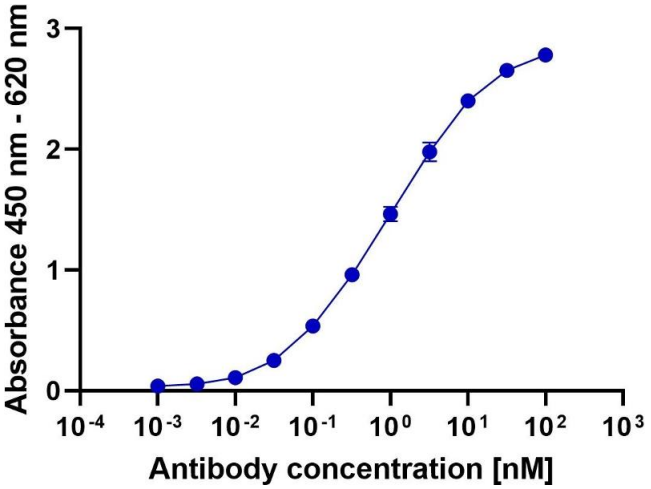
ELISA

Image 1. HA-tagged Protein was coated on an ELISA plate at 100 ng. Anti-HA-tag, (ABIN7581773), was titrated on top. Detection with animal-free anti-rabbit HRP conjugated antibody (ABIN7581784). 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. Insect cells expressing an HA-tagged GFP were separated via SDS-PAGE and blotted onto a PVDF membrane in three different dilutions. HA-tag was detected using our animal-free (ABIN7581773) at 1 µg/mL. HRP-conjugated, animal-free anti-rabbit antibody (ABIN7581784) was used for detection. Binding reactions were visualized using an ECL substrate.,



ELISA

Image 3. HA-tagged Protein was coated on an ELISA plate at 100 ng. Anti-HA-tag, (ABIN7581773), was titrated on top. Detection with animal-free anti-rabbit HRP conjugated antibody (ABIN7581784). 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.