

Datasheet for ABIN7581786

Recombinant Mouse anti-Rabbit IgG Antibody (Alexa Fluor 488)



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1 Image

Overview

Quantity:	50 µg
Target:	IgG
Reactivity:	Rabbit
Host:	Mouse
Expression System:	Phage display
Antibody Type:	Recombinant Antibody
Clonality:	Multiclonal
Conjugate:	Alexa Fluor 488
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 reactivity to mouse IgG, human IgG, goat IgG. Other species were not tested.

Product Details

Characteristics:	Multiclons 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. Multiclons 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). Multiclons 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.
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Purification:	Protein A purification
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Grade:	Animal-Free
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Target Details

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

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

Format:	Liquid
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Buffer:	PBS, pH 7.4,
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Storage:	-20 °C
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ELISA

Image 1. rabbit IgG was coated on an ELISA plate at 100 ng. Multiclonal Anti-rabbit IgG, , was titrated on top. Fluorescence was measured in an ELISA plate reader.

