Datasheet for ABIN7581792

Recombinant Mouse anti-Human IgG (Fc Region) Antibody (Alexa Fluor 555)

1 Image

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Overview

Quantity:	50 µg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Mouse
Expression System:	Phage display
Antibody Type:	Recombinant Antibody
Clonality:	Multiclonal
Conjugate:	Alexa Fluor 555
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	recombinant Multiclonal anti-human IgG (Fc-specific)
Immunogen:	No immunization, animal-free antibody development. Antigen: human intravenous immunoglobulins (IVIg)
Isotype:	IgG2a
Specificity:	This is an antibody developed by antibody phage display technology using a human naive antibody gene library and human IgG antigen. For this antibody both the heavy and light chains are cloned and expressed, generating full-length antibodies.
No Cross-Reactivity:	Cat, Cow, Dog, Goat, Horse, Human, Mouse, Rabbit, Rat

Product Details

Cross-Reactivity (Details):	No known cross reactivity. No cross-reactivity to human IgM, human IgE, human IgA, mouse IgG, rabbit IgG, horse IgG, bovine IgG, goat IgG, rat IgG, dog IgG, cat IgG. Other species were not tested.
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 four different subclasses of human 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
UniProt:	P01857

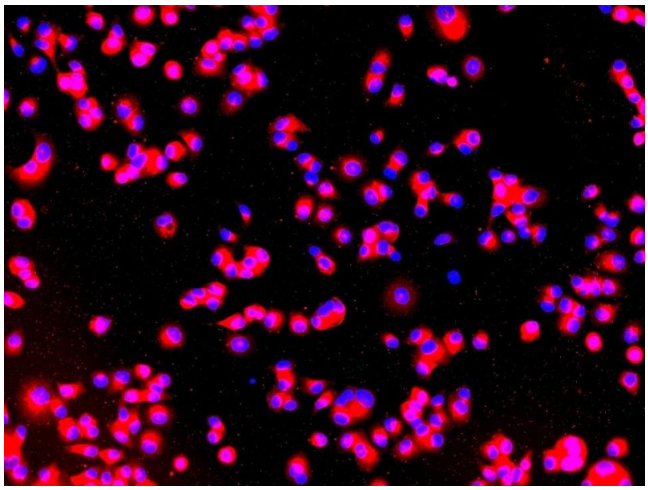
Application Details

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
Restrictions:	For Research Use only

Handling

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

Images



Immunofluorescence

Image 1. T47-D cells were fixed and subjected to immunohistochemistry using a primary animal-free human anti-MUC1 antibody, followed by detection with animal-free AlexaFluor555-conjugated anti-human Fc secondary Multiclonal antibody (ABIN7581792). Specific staining indicates MUC1 expression localized on the cell membrane. Nuclei were counterstained with DAPI. Images were captured using fluorescence microscopy at 20x.