

Goat anti-Mouse IgG Polyclonal Antibody | anti-IgG antibody

Goat Anti Mouse IgG: FITC

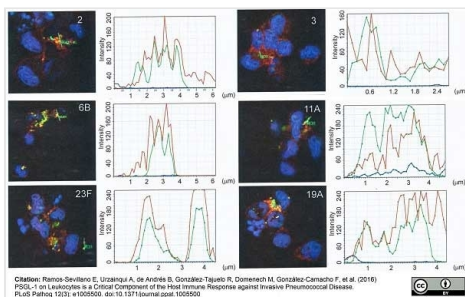
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50318	Goat	Mouse	Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

IgG; Polyclonal Antibody; Goat Anti Mouse IgG: FITC; IgG antibody; Goat anti Mouse IgG; anti-IgG antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Purified Ig prepared by affinity chromatography on pooled mouse IgG covalently linked to agarose
Form/Format	Liquid; Borate Buffered Saline
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	404
Applicable Applications for anti-IgG antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Conjugation	FITC
Preservative Stabilizers	None Present
Preparation and Storage	Store at -20 degree C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

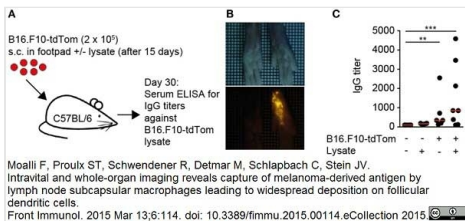
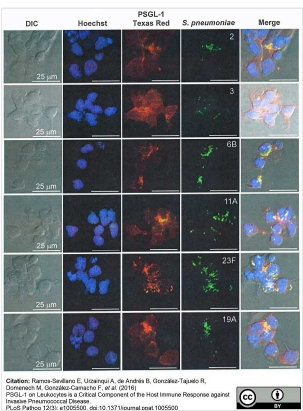


Application Data

Texas Red conjugated Goat anti Mouse IgG antibody used for the detection of bound Mouse anti PSGL-1 antibody on neutrophil differentiated HL-60 cells by immunofluorescence. Image caption: Local co-localization of FAM-SE *S. pneumoniae* (green), Cellular DNA (blue) and PSGL-1 (red) is shown and quantified by plotting the fluorescence intensity and the distance (in μm). From: Ramos-Sevillano E, Urzainqui A, de Andr s B, Gonz lez-Tajuelo R, Domenech M, Gonz lez-Camacho F, et al. (2016) PSGL-1 on Leukocytes is a Critical Component of the Host Immune Response against Invasive Pneumococcal Disease. *PLoS Pathog* 12(3): e1005500. doi:10.1371/journal.ppat.1005500.

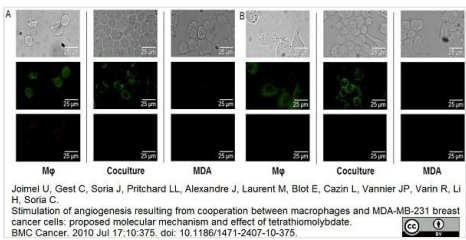
Application Data

Texas Red conjugated Goat anti Mouse IgG antibody used for the detection of bound Mouse anti PSGL-1 antibody on neutrophil differentiated HL-60 cells by immunofluorescence. Image caption: Recognition of *S. pneumoniae* by PSGL-1 is a generic event. Co-localization of FAMS-SE-labeled *S. pneumoniae* clinical isolates of different serotypes with PSGL-1 in HL-60 cells differentiated to neutrophils. Cellular DNA was stained with Hoechst whereas PSGL-1 was visualized with mouse anti-human PSGL-1 antibody followed by a goat anti-mouse Texas-Red staining. (DIC, Differential interference contrast). From: Ramos-Sevillano E, Urzainqui A, de Andr s B, Gonz lez-Tajuelo R, Domenech M, Gonz lez-Camacho F, et al. (2016) PSGL-1 on Leukocytes is a Critical Component of the Host Immune Response against Invasive Pneumococcal Disease. *PLoS Pathog* 12(3): e1005500.



Application Data

Biotin conjugated Goat anti Mouse IgG (103008) used in conjunction with horseradish peroxidase conjugated streptavidin (710005) for the detection of anti tumor derived antigen IgG by ELISA. Image caption: Local melanoma tumors generate systemic circulating IgG levels. (A). Outline of local tumor injection experiment. B16.F10-tdTom+ cells were s.c. injected into C57BL/6 mice on day 0 and allowed to proliferate for 30 days. In some mice, B16.F10-tdTom lysate was additionally s.c. injected to test whether IgG production can be boosted. (B) Brightfield (top) and red fluorescent (bottom) stereomicroscopic images of tumor-injected and contralateral footpads on day 30. (C) IgG titers in control and tumor-bearing mice on day 30, with and without additional B16.F10-tdTom+ cell lysate injection for 15 days. Each dot represents the serum of one mouse. Data in (C) are pooled from two independent experiments and were analyzed by a Kruskal-Wallis test with Dunn's multiple comparison test. **p



Application Data

Texas red conjugated Goat anti Mouse IgG antibody used for the detection of bound anti CD80 antibody by immunofluorescence. Image caption: Immunolabelling of Mphi by the monocyte/Mphi marker CD14 and the M1 Mphi marker CD80. Mphi were seeded at a density of 5.7 x 10⁴ cells/cm², with (coculture) or without the same number of MDA-MB-231 cells. In each case, the culture medium was replaced daily. 5 days later, all cultures were treated with 1 $\mu\text{g}/\text{ml}$ LPS and 5 ng/ml IFN γ for 24 h before washing and labelling. CD14 fluorescent labelling is green, CD80 is red. Panel A: without TM, it can be seen that CD80 was expressed on activated Mphi cultured alone and was not detectable on Mphi in the cocultures. Panel B: in presence of TM, no CD80-positive cells were found in any of the cocultures. From: Joimel U, Gest C, Soria J, Pritchard LL, Alexandre J, Laurent M, Blot E, Cazin L, Vannier JP, Varin R, Li H, Soria C. Stimulation of angiogenesis resulting from cooperation between macrophages and MDA-MB-231 breast cancer cells: proposed molecular mechanism and effect of tetrathiomolybdate. *BMC Cancer*. 2010 Jul 17;10:375. doi:10.1186/1471-2407-10-375.

ADDITIONAL INFORMATION

Related Product Information for anti-IgG antibody	Goat anti Mouse IgG antibody recognizes mouse IgG, recognising the heavy chain of mouse IgG1, IgG2a, IgG2b and IgG3 as demonstrated by ELISA. Goat anti Mouse IgG antibody has been cross-adsorbed against mouse IgM, mouse IgA and human serum to reduce potential cross-reactivity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62901523
UniProt Accession #	P01867; P01865; P01863; P01864; P01868; P01869; P03987
NCBI Official Full Name	Ig gamma-2B chain C region

UniProt Protein Name	Ig gamma-2B chain C region
UniProt Gene Name	Igh-3
UniProt Entry Name	IGG2B_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/igg-antibody-immunofluorescence-flow-cytometry-elisa/50318>