Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed ab150117

Overview

Product name: Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed
Host species: Goat
Target species: Mouse
Specificity: By immunoelectrophoresis and ELISA this antibody reacts specifically with mouse IgG and with light chains common to other mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins. Less than 0.1% cross reactivity to bovine, chicken, horse, human, pig, rabbit and rat IgG was detected. This antibody may cross react with IgG from other species.

Tested applications: Suitable for: IHC-Fr, ICC/IF, Flow Cyt, IHC-P, ELISA

Minimal cross-reactivity: Chicken, Cow, Horse, Human, Pig, Rabbit

Immunogen: The details of the immunogen for this antibody are not available.

Conjugation: Alexa Fluor® 488. Ex: 495nm, Em: 519nm

Properties

Form: Liquid
Storage buffer: Preservative: 0.02% Sodium azide
Constituents: 1% BSA, 30% Glycerol, PBS
Purity: Immunogen affinity purified
Purification notes: Antiserum was cross adsorbed using bovine, chicken, horse, human, pig, rabbit and rat immunosorbents to remove cross reactive antibodies. This antibody was isolated by affinity chromatography using antigen coupled to agarose beads.
Clonality: Polyclonal
Isotype: IgG

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Applications

Our Abpromise guarantee covers the use of ab150117 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Images

ICC/IF image of ab7291 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab7291, 10µg/ml) overnight at +4°C. The secondary antibody (green) was ab150117 Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at 1µg/ml for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

The negative control (inset) is a secondary-only assay to demonstrate low non-specific binding of the secondary antibody.
Immunocytochemistry/Immunofluorescence - Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed (ab150117)
This image is courtesy of an Abreview submitted by Kirk McManus.

ab134375 staining CD24 in human HeLa cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Cells were fixed with paraformaldehyde. Samples were incubated with primary antibody (1/200 in PBS) for 1 hour at 22°C. An Alexa Fluor® 488-conjugated goat anti-mouse IgG H&L (ab150117) (1/200) was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed (ab150117)
This image is courtesy of Dr. Shaohua Li, UMDNJ-Robert Wood Johnson Medical School
Sample: mouse embryonic stem cell-differentiated embryoid bodies (EBs)
Preparation:
Fix in 3% PFA in PBS for 30 min at RT
Incubate in 7.5% sucrose-PBS for 3h at RT
Incubate in 15% sucrose-PBS at 4 degree Celsius overnight
Embed the EBs in tissue-Tek OCT compound
Cut frozen sections to 4-20 µm thickness
Primary antibody 1: Mouse anti-Ki67 (ab53280), 1:50
Primary antibody 2: Rabbit anti-laminin, 1:400
Secondary antibody 1: Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 488) pre-adsorbed (ab150117), 1:200
Secondary antibody 2: Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) pre-adsorbed (ab150084), 1:300
Nuclei were counterstained with DAPI

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