

Product datasheet

Donkey Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed ab150109

★★★★★ 2 Abreviews 52 References 3 Images

Overview

Product name	Donkey Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed
Host species	Donkey
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 1% cross reactivity to bovine, chicken, goat, human, rabbit, rat and sheep IgG was detected. This antibody may cross react with IgG from other species.
Tested applications	Suitable for: IHC-Fr, ICC/IF, Flow Cyt, ELISA, IHC-P
Minimal cross-reactivity	Chicken, Cow, Goat, Human, Rabbit, Rat, Sheep more details
Immunogen	The details of the immunogen for this antibody are not available.
Conjugation	Alexa Fluor® 488. Ex: 495nm, Em: 519nm

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: 23% Glycerol (glycerin, glycerine), PBS, 1% BSA
Purity	Immunogen affinity purified
Purification notes	Antiserum was cross adsorbed using bovine, chicken, goat, human, rabbit, rat and sheep immunosorbents to remove cross reactive antibodies. The antibody to mouse IgG was isolated by affinity chromatography using antigen coupled to agarose beads.
Clonality	Polyclonal
Isotype	IgG
General notes	Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property

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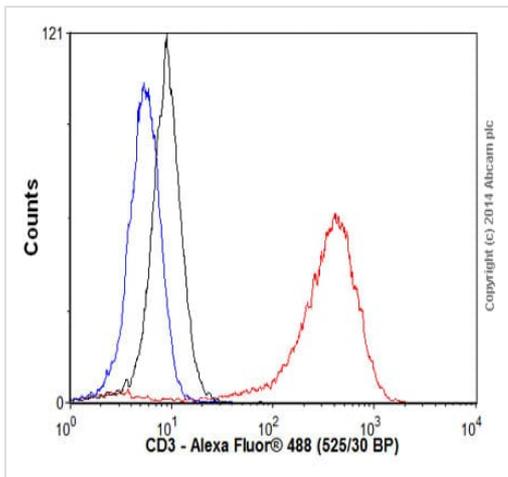
Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab150109 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

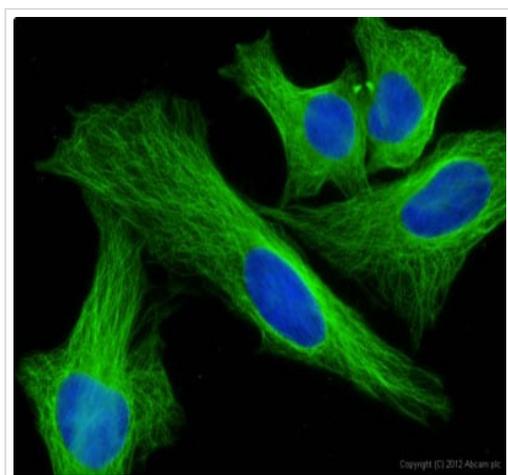
Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration.
ICC/IF	★★★★★ (1)	1/200 - 1/1000.
Flow Cyt		1/2000. ab170190 - Mouse monoclonal IgG1 (Alexa Fluor® 488), is suitable for use as an isotype control to complement this secondary antibody.
ELISA		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

Images



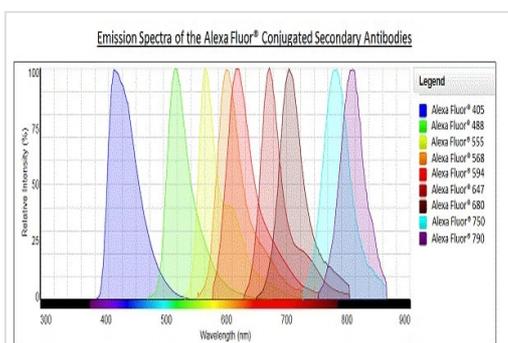
Flow Cytometry - Donkey Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed (ab150109)

Overlay histogram showing Jurkat cells stained with [ab8090](#) (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal donkey serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody ([ab8090](#), 0.01µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody Donkey anti-mouse IgG H&L (Alexa Fluor® 488, pre-adsorbed) ([ab150109](#)) was used at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] ([ab91361](#), 0.01µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunocytochemistry/ Immunofluorescence - Donkey Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed (ab150109)

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 [ab150109](#) Alexa Fluor® 488 donkey anti-mouse IgG (H+L) used at 2µg/ml for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Alexa Fluor® - Donkey Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed (ab150109)

Emission spectra of the Alexa Fluor® conjugated secondary antibodies.

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