

Datasheet for ABIN7272914

Recombinant Alpaca anti-Mouse IgG Antibody (Alexa Fluor 568)



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Overview

Quantity:	500 µL
Target:	IgG
Reactivity:	Mouse
Host:	Alpaca
Expression System:	E.coli
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	Alexa Fluor 568
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Our sdAbs anti-mouse KLC specifically binds to all mouse Ig isotypes carrying a kappa light chain.
Clone:	1A23
Fragment:	single-domain Antibody (sdAb)
Specificity:	Mouse IgG (Kappa light chain), does not cross-react with rabbit, guinea pig or chicken immunoglobulins
Purification:	Produced in: E.coli
Labeling Ratio:	Two site-specifically conjugated fluorophores per sdAb.

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	<p>In most research monoclonal antibodies are generated in mice. These animals have a rich repertoire of immunoglobulins (Ig) displaying various isotypes (IgA, IgD, IgG, IgE, and IgM). Mice IgGs can be further categorized into five subclasses IgG1, IgG2a, IgG2b, IgG2c, and IgG3. In addition to the subclasses, each IgG molecule can be equipped with either a lambda or kappa light chain.</p>

Application Details

Application Notes:	IF: 1:500 (corresponding to 5 nM final concentration if the sdAb was reconstituted as proposed bellow)
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 500 µL of 50 % glycerol in deionized water. We recommend including 0.1 % sodium azide as a preservative if applicable. When reconstituted with 500 µl, the concentration of single-domain antibody is 2.5 µM
Buffer:	The single sdAb clone was lyophilized from PBS pH 7.4.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Vials containing lyophilized protein can be stored at 4 °C for 6 months. We recommend reconstituting the protein with 50 % sterile glycerol including 0.1 % sodium azide as preservative if applicable. Minimize the number of freeze-thaw cycles by aliquoting the reconstituted protein. Long term storage at -80 °C for up to 6 months. Working aliquots can be stored at -20 °C for up to 4 weeks. We do not recommend storing the reconstituted protein at 4 °C.