





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



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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**

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**

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Target:	lgG		
Abstract:	IgG Products		
Target Type:	Antibody		
Background:	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.		
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 $\mu$ L of 50 % glycerol in deionized water. We recommend including 0.1 % sodium azide as a preservative if applicable. When reconstituted with 500 $\mu$ l, the concentration of single-domain antibody is 2.5 $\mu$ M		
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.		