

Datasheet for ABIN7272912

Recombinant Alpaca anti-Chicken IgY Antibody (Alexa Fluor 647)



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Overview

Quantity:	500 µL
Target:	IgY
Reactivity:	Chicken
Host:	Alpaca
Expression System:	E.coli
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	Alexa Fluor 647
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	anti-Chicken is a species-specific FluoTag directed against immunoglobulins from Chicken.
Clone:	3G2
Fragment:	single-domain Antibody (sdAb)
Specificity:	Chicken IgY, does not cross-react with mouse, rabbit, guinea pig or rat immunoglobulins
Purification:	Produced in: E.coli
Labeling Ratio:	Two site-specifically conjugated fluorophores per sdAb.

Target Details

Target:	IgY
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Target Details

Abstract:	IgY Products
Target Type:	Antibody
Background:	The immune repertoire of chickens is much simpler compared to the one of mammals, producing only one isotype of immunoglobulins (IgY) with no subclasses. The use of polyclonal antibodies raised in chicken has steadily grown over the last years, mainly due to the need to add a new "species" when performing multitarget immunofluorescence.

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 μ L of 50 % glycerol in deionized water. We recommend including 0.1 % sodium azide as a preservative if applicable. When reconstituted with 500 μ L, the concentration of single-domain antibody is 2.5 μ 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.