

Datasheet: STAR4A

Description:	STREPTAVIDIN:RPE
Name:	STREPTAVIDIN
Format:	RPE
Product Type:	Accessory Reagent
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Product Form Streptavidin conjugated to R-Phycoerythrin - lyophilised

Reconstitution Reconstitute with 1ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

Preparation Pure Streptavidin is reacted with Succinimidyl 4- (N-maleimido-methyl) cyclohexane - 1-carboxylate (SMCC). R. Phycoerythrin is reacted with N-succinimidyl 3-(2 - pyridyldithio) propionate (SPDP) and activated by reduction with dithiothreitol. The two substituted proteins are reacted together to give covalent conjugates, which are selected by medium pressure liquid chromatography on gel filtration columns of Aca34 ultrogel.

STAR4A conjugates show negligible non-specific binding to non-biotinylated macromolecules, and therefore gives very low backgrounds.

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. van den Nieuwenhof, I.M. *et al.* (2001) Differential galactosylation of neuronal and haematopoietic signal regulatory protein-alpha determines its cellular binding-specificity. [J Cell Sci. 114 \(Pt 7\): 1321-9.](#)
2. Tasker, L. & Marshall-Clarke, S. (1997) Immature B cells from neonatal mice show a selective

inability to up-regulate MHC class II expression in response to antigen receptor ligation. [Int Immunol. 9 \(4\): 475-84.](#)

3. Dioszeghy, V. *et al.* (2008) 12/15-Lipoxygenase regulates the inflammatory response to bacterial products *in vivo*. [J Immunol. 181: 6514-24.](#)

4. Guesdon, F. *et al.* (2012) Expression of a glycosylphosphatidylinositol-anchored ligand, growth hormone, blocks receptor signalling. [Biosci Rep. 32 \(6\): 653-60.](#)

Storage

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation #10224 available at:
10224: <https://www.bio-rad-antibodies.com/uploads/MSDS/10224.pdf>

Regulatory

For research purposes only

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