SONY

Product Data Sheet

PerCP Streptavidin

Catalog # / Size:	2626065 / 100 µg
Isotype:	Mouse IgG1, κ
Reactivity:	Human,Mouse,Rat
Preparation:	Streptavidin is conjugated with PerCP under optimal conditions. The solution is free of unconjugated PerCP.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.2

Applications:

Applications:	Flow Cytometry
Recommended Usage:	This streptavidin product is quality control tested by immunofluorescent staining with flow cytometric analysis. The concentration provided is based upon molecular mass of streptavidin independent of any additional molecular mass that might be added by the PerCP conjugation. For flow cytometric staining, the suggested use of this reagent is ≤0.125 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP has a maximum absorption of 482 nm and a maximum emission of 675 nm.
Application Notes:	Streptavidin-PerCP is useful as a second step reagent for indirect immunofluorescent staining, when used in conjunction with biotinylated primary antibodies. The average molecular weight of Streptavidin-PerCP is 120 kD and Streptavidin alone is 52 kD.

Application References:

1. Mara-Koosham G, *et al.* 2011. *Infect Immun.* 79:1770. PubMed
2. Liao G, *et al.* 2012. *Gastroenterology.* 142:582. PubMed
3. Smith KA, *et al.* 2012. *Infect Immun.* 80:3481. PubMed
4. Li J, *et al.* 2013. *Am J respir Cell Mol Biol.* 48:314. PubMed
5. Michael A, *et al.* 2013. *J. Immunol.* 190:5534. PubMed
6. Tsiganov EN, *et al.* 2014. *J Immunol.* 192:4718. PubMed
7. Tsiantoulas D, *et al.* 2015. *J Lipid Res.* 56:440. PubMed

Description: Streptavidin binds to biotin with high affinity. Streptavidin-PerCP is useful for detecting biotinylated antibodies. The excitation of PerCP by 488 nm laser light induces a light emission maximum of 675 nm.

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