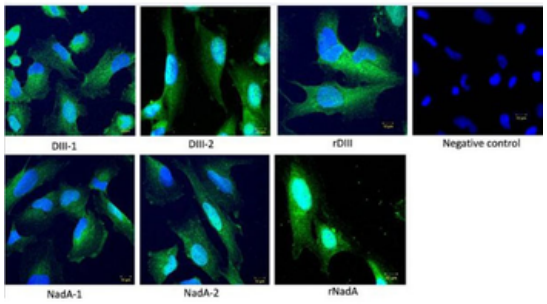
Product Datasheet

Streptavidin Fluorescein Conjugated (orb348766)

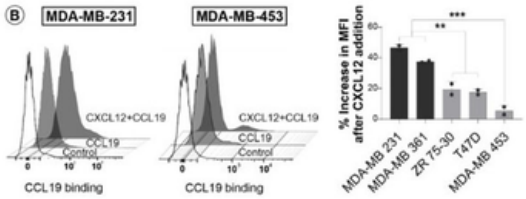
Catalog Number	orb348766
Description	Streptavidin Fluorescein Conjugated
Conjugation	FITC
Tested Applications	DOT, FC, FLISA, IF
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Storage	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Note	For research use only
Application notes	Streptavidin Fluorescein Conjugated has been tested by dot blot and is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Purity	This product was prepared from chromatographically pure Streptavidin. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein and anti-Streptavidin.
Hazard Information	Non-Toxic
Dilution Range	FLISA: 1:10,000 - 1:50,000, FC: 1:500 - 1:2,500, IF: 1:1,000 - 1:5,000
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.
7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0) 1223 859-353 | Fax: +1 (415) 651-8558

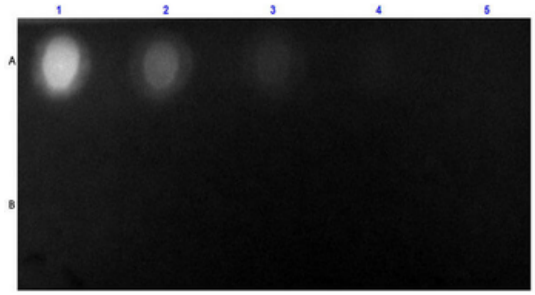
Biorbyt LLC.
68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558



Confirmation of putative receptor-binding sites on the ligands using synthetic analogues by immunocytochemistry. Interaction of synthetic analogues of putative receptor-binding sites with cultured hBMECs. The interaction was detected with streptavidin-FITC conjugate (p/n orb348765). Nuclei are stained with DAPI. rDIII and rNadA (positive control) – whole recombinant ligands were incubated with hBMECs. DIII-1 – GTTYGVCSK-biotin; DIII-2 – VLIELEPPFGDSYIVVGRK-biotin; NadA-1 – AATVAIVAAYNNGQEINGFKAGETIYDIGEDGTITQK-biotin; NadA-2 – LADTDAALADTDAALDETTNALNKLGENITTFAEETK-biotin. Negative control – synthetic peptides were excluded from the assay.



CXCL12 and CCL19 cooperate in cell surface binding and signalling responses selectively in invasive breast cancer cells. (B) Cells were left untreated as (negative control) or were exposed to biotinylated CCL19 alone or in combination with CXCL12 as indicated followed by the addition of FITC-conjugated streptavidin and flow cytometry (FC) analysis. Shown are representative histograms for invasive (MDA-MB-231) and non-invasive (MDA-MB-453) cells (left panel). The increase in FITC MFI in cells treated with the combination of CCL19 and CXCL12 relative to cells treated with CCL19 alone was quantitated for a panel of cell lines and graphed (right panel). FITC-conjugated streptavidin (p/n orb348765). All data shown are mean ± SEM with two-tailed student t-test and are representative of at least two independent experiments. Levels of significance ** $p \leq 0.01$, *** $p \leq 0.001$, ns—not significant.



Dot Blot of STREPTAVIDIN Fluorescein Conjugated. Lane A: BSA-Biotin. Lane B: BSA. Lanes 1: load 100 ng, 2-5: serial dilution 3 fold. Primary Antibody: n/a Secondary Antibody: Streptavidin Fluorescein Conjugated at 1 mg/ml at RT for 30 minutes. Block: orb348637 at RT for 30 minutes.

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