SONY

# Product Data Sheet

## APC/Fire™ 750 Streptavidin

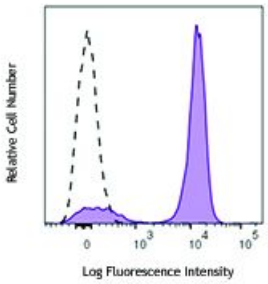
**Catalog # / Size:** 2626250 / 100 µg

**Reactivity:** Human, Mouse, Rat

**Preparation:** Streptavidin is conjugated with APC/Fire™ 750 under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2 mg/ml




Human peripheral blood lymphocytes were stained with biotinylated mouse IgG1 isotype control (open histogram), followed by SAV-APC/Fire™ 750.

## Applications:

**Applications:** Flow Cytometry, Intracellular Staining for Flow Cytometry

**Recommended Usage:** Each lot of this Streptavidin APC/Fire™ 750 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 APC/Fire™ 750 conjugation. For immunofluorescent staining, the recommended use of this reagent is ≤0.25 µg per $10^6$ cells in 100 µl staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

*APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

**Application Notes:** Streptavidin-Allophycocyanin/Fire™ 750 (APC/Fire™ 750 ) 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-APC/Fire™ 750 is 350 kD and Streptavidin alone is 52 kD.

**Application References:**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**Description:** Streptavidin binds to biotin with high affinity. Streptavidin-APC/Fire™ 750 is useful for detecting biotinylated antibodies. The excitation of APC/Fire™ 750 by 600-635 nm laser light induces a fluorescence emission maximum of 787 nm.