SONY

Product Data Sheet

KIRAVIA Blue 520™ Streptavidin

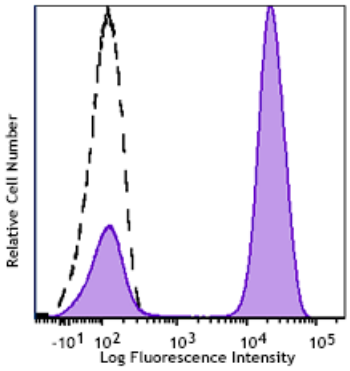
Catalog # / Size: 2625855 / 25 µg

Reactivity: Human, Mouse, Rat, All Species

Preparation: The antibody was purified by affinity chromatography and conjugated with KIRAVIA Blue 520™ under optimal conditions.

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

Concentration: 0.2 mg/mL (concentration relates to the Streptavidin only component of the conjugate)



Human peripheral blood lymphocytes were stained with biotinylated CD3, followed by SAV-KIRAVIA Blue 520™ (filled histogram), or biotinylated mouse IgG1 isotype control, followed with SAV-KIRAVIA Blue 520™ (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* KIRAVIA Blue 520™ has an excitation maximum of 495 nm, and a maximum emission of 520 nm.

Description: Streptavidin is a 52.8 kDa tetrameric protein obtained from *Streptomyces avidinii*. It binds to biotin with a very high affinity and is one of the strongest interactions in nature with a dissociation constant of 10^{-14} mol/L. It is used to detect biotinylated proteins in a wide range of applications.