

mFluor™ UV420-streptavidin conjugate

Catalog Number: 16927

Unit Size: 100 ug

Product Details

Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	24 months upon receiving

Chemical Properties

Appearance	Solid
Molecular Weight	N/A
Soluble In	Water

Spectral Properties

Excitation Wavelength	353 nm
Emission Wavelength	421 nm

Applications

mFluor™ UV420 streptavidin conjugate comprises streptavidin (as the biotin-binding protein) with mFluor™ UV420 covalently attached. mFluor™ UV420 provides a unique color for fluorescence imaging and flow cytometric applications. It is used as a second step reagent for indirect immunofluorescent staining, when used in conjunction with biotinylated primary antibodies. AAT Bioquest offers the largest collection of streptavidin conjugates. They are widely used together with a conjugate of biotin for specific detection of a variety of proteins, protein motifs, nucleic acids and other molecules since streptavidin has a very high binding affinity for biotin. The affinity between streptavidin and biotin might be the strongest non-covalent interactions known in biological interactions. Streptavidin, a homotetrameric protein, exhibits an extraordinarily high affinity for biotin. Each streptavidin monomer can bind one biotin molecule, allowing a streptavidin protein to maximally bind four biotins. The streptavidin-biotin interaction is highly specific and remains robust under a wide range of conditions.