

Europium-Protein G

Catalog #: T7220-10; T7220-50; T7220-200

Also Known as: Europium labeled protein G

Quantity: T7220-10 (10 µg); T7220-50 (50 µg); T7220-200 (200 µg)

Species: *G Streptococci*

Protein Production: Recombinant protein G containing only the IgG binding domains

Mol. Weight: 22 kDa

Application: Time resolved (TR)-FRET assays

Stock Buffer: 10 mM PBS, pH 7.2, 10% Glycerol

Purity: > 95%

Concentration: See tube label

Description: A europium chelate is covalently conjugated on lysines of recombinant protein G. The molar ratio between europium and protein G in different lots is ~3. Protein G has higher affinity than protein A in binding of mouse, human, rat, goat and cow IgG.

Europium-protein G recognizes various antibodies and can serve as the donor in TR-FRET assays that offer a sensitive tool in monitoring molecular proximity, post-translational modifications, enzyme activity and protein abundance. The acceptor is far-red fluorescent dyes, such as Cy5.

Storage: Store at -80°C; Avoid multiple freeze-thaw cycles

