

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:	<i>G Streptococci</i>
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:	<p>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.</p> <p>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.</p>
Storage:	Store at -80°C; Avoid multiple freeze-thaw cycles

