

# Terbium-Protein G

Catalog #: T7210-10; T7210-50; T7210-200

<b>Also Known as:</b>	Terbium labeled protein G
<b>Quantity:</b>	T7210-10 (10 µg); T7210-50 (50 µg); T7210-200 (200 µg)
<b>Species:</b>	<i>G Streptococci</i>
<b>Protein Production:</b>	Recombinant protein G containing only the IgG binding domains
<b>Mol. Weight:</b>	22 kDa
<b>Application:</b>	Time resolved (TR)-FRET assays
<b>Stock Buffer:</b>	10 mM PBS, pH 7.2, 10% Glycerol
<b>Purity:</b>	> 95%
<b>Concentration:</b>	See tube label
<b>Description:</b>	<p>A terbium chelate is covalently conjugated on lysines of recombinant protein G. The molar ratio between terbium 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>Terbium-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 green fluorescent dyes or proteins, such as fluorescein and green fluorescent protein (GFP).</p>
<b>Storage:</b>	Store at -80°C; Avoid multiple freeze-thaw cycles

