

# Terbium-Protein G

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

**Also Known as:** Terbium labeled protein G

**Quantity:** T7210-10 (10 µg); T7210-50 (50 µg); T7210-200 (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 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.

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).

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

