

Anti-CD19×CD3 hlgG1 Antibody[PIT-565(CD58 K34A)]

Product information

GM-87921AB-10	10 µg
GM-87921AB-100	100 µg
GM-87921AB-1000	1 mg

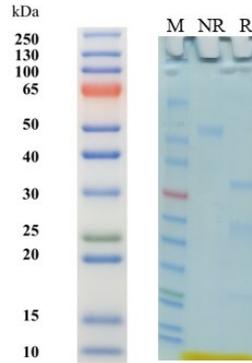
Antibody Information

Species Reactivity	Human
Clone	PIT-565(CD58 K34A)
Source/Isotype	Human IgG1, Kappa
Application	Activation assay
Specificity	Detects CD19、CD3
Gene	CD19、CD3
Other Names	CD19: B4, CVID3 CD3: CD30, CD30L receptor, TNFRSF8, Lymphocyte activation antigen CD30
Gene ID	CD19: 930 (Human) CD3: 943 (Human)
Background	Anti-CD19×CD3×CD2 (PIT-565) trispecific antibody contains a sequence that binds to CD2, which is derived from a portion of the natural ligand CD58 gene. In contrast, the Anti-CD19×CD3 hlgG1 Antibody[PIT-565(CD58 K34A)] features a mutated CD58 gene, rendering it incapable of binding to CD2. This mutated antibody can serve as a control for the Anti-CD19xCD3xCD2 hlgG1 Reference Antibody (PIT-565).
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Version:3.2

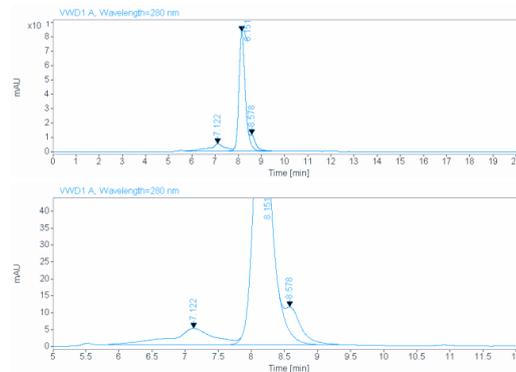
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC.

Activation assay

Anti-CD19×CD3 hlgG1 Antibody[PIT-565(CD58 K34A)] (Catalog # GM-87921AB) stimulated Luminescence of CD3-CD2-tsAb Reporter Jurkat(CD58 KO) Cell Line (Catalog # GM-C39956) binded with H_CD19 CHO-K1 Cell line (Catalog # GM-C19025). EC50 for this effect is 0.1431 µg/mL.

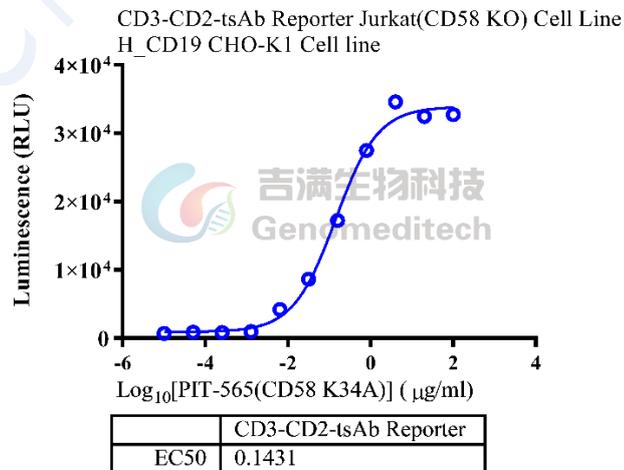


Fig. Assay