

PERFORMANCE DATA SHEET

1840

Recombinant muIg *Control Protein**

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CATALOG#: 581-020

QUANTITY: 25 µg

CONCENTRATION: 0.5 mg/ml

Molecular Structure: A soluble fusion protein consisting of residual murine **CD8 signal peptide** and linker:
(1)kpqapelrgsagt(13)
fused to murine **IgG2a Fc** and hinge regions:
(14)eprgptikpcppekcpapnllggpsvfifppkikdvlmislspivtcvvvdvseddpdvqiswfvnnvevhtaqtqthred
ynstlrsvsalpiqhqdwmkgkfkckvnnkdlpapiertiskpkgsvrapqvvyvlpppeeemtkkqvtlcmvtdfmpediy
vewtngktelnykntepvldsdgsyfmysklrvekknwvernsyscsvheglhnhhtksfsrtpgk(246)

Predicted non glycosylated monomeric molecular weight: 27.8 kd. In SDS-PAGE, the protein migrates at ~55kd non reduced, and ~30kd reduced.

Transfectant Cell Line: CHO

INFORMATION: Recombinant muIg control protein was engineered to be a negative control for muIg containing fusion proteins.

STORAGE CONDITIONS: *Store at 2 - 5°C.* Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Recombinant protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography.

PERFORMANCE: Recombinant muIg was reactive in Goat anti-mouse Ig EIA.

Product was tested as a negative control in Flow cytometry at 10 µg/ml using Goat anti-Mouse IgG/FITC (Cat # 232-010) as a 2^o reagent. All cells tested failed to stain or display a significant mean shift above a buffer background.

Cells tested: Human PBMC, HPB-MLT, Nalm-6, and Raji (cells were pre blocked with human IgG to prevent non specific binding).

**This Product is intended for Laboratory Research use only.*