PERFORMANCE DATA SHEET
1808

Recombinant muIg *Control Protein**

For maximal recovery of contents please quick spin vial before opening

CATALOG#: 581-820 (Preservative-free)
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)**eprgptikpcppckcpapnllggpsvfifppkikdvlmislspivtcvvvdvseddpdvqiswfvnnvevhtaqtqthred ynstlrvvsalpiqhqdwmsgkefkckvnnkdlpapiertiskpkgsvrapqvyvlpppeeemtkkqvtltcmvtdfmpediy vewtnngktelnykntepvldsdgsyfmysklrvekknwvernsyscsvvheglhnhhttksfsrtpgk**(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^{o}C***. **Open under aseptic conditions.** 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.

PRODUCTION: Recombinant protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography. Product was 0.2 μm filtered and vialed under aseptic conditions.

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.

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