PERFORMANCE DATA SHEET
1818

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Human CD95 (APO-1/FAS) huIg/Biotin *Fusion Protein**

CATALOG#: 506-030
QUANTITY: 25 μg **CONCENTRATION: 0.5 mg/ml**

Molecular Structure: A soluble fusion protein consisting of the extracellular (175aa) domain of human CD95 fused to human IgG1 Fc (234aa).
Transfectant Cell Line: CHO

INFORMATION: Human CD95 (APO-1/FAS) is a type I cell surface glycoprotein that is strongly upregulated on activated T cells, B cells, NK cells and thymocytes (1). CD95 plays an important role in programmed cell death or apoptosis (2). Apoptosis appears to be a mechanism for regulating the immune response (3, 4). CD95-huIg fusion protein blocks binding of anti-human CD95 antibody as well as recombinant CD95L to cells expressing CD95. ***References:*** (1). Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1142-1148. (2). S. Nagata & P. Golstein (1995) Science 267: 1449-1456. (3). S. Nagata & T. Suda (1995) Immunol Today 16: 39-43. (4). D.H. Lynch, F. Ramsdell & M.R. Alderson (1995) Immunol Today 16: 569-574.

STORAGE CONDITIONS: ***Store at 2 - 5^{o}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, 0.5mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Fusion protein from (low FBS containing) tissue culture supernatant of transfectants was purified using affinity and size exclusion chromatography), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate by diafiltration.

PERFORMANCE: CD95-huIg fusion protein blocked binding of an anti-CD95/FITC reagent (Catalog #316-040) to CD95 expressed on Raji cells. CD95-huIg/Biotin was reactive in EIA utilizing a Goat-anti-human Ig coated plate for capture and Streptavidin/HRP for detection.

This Product is intended for Laboratory Research use only.

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