



PRODUCT DATA SHEET

Product: Fas Ligand Inhibitor

Cat. No.: AF-016 (50 µg)

Synonyms:

APO-1, CD95, TNFRSF 6

MW:

~56 kDa

Background:

Fas inhibits the activity of human and mouse soluble Fas (sFasL) and thereby sFasL-mediated lysis of Fas sensitive cells in a concentration range of 20-100 µg/mL. When used with a cross-linking enhancer (FL-104), the inhibitory activity of rhFas:Fc is increased approximately 20-50 fold. Concentrations of rhFas:Fc required to inhibit may vary depending on the cell viability and on the concentrations of sFasL used to kill the cells.

Specificity:

Inhibits the apoptosis-inducing activity of Fas Ligand. Binds FasL (APO-1L; CD95L; CD178).

Species Reactivity:

Human, mouse and rat. Others not tested.

Recombinant Protein:

Extracellular domain of human Fas (aa. 7-154) fused to Fc portion of human IgG₁.

Production:

Produced in HEK 293 cells. The extracellular domain of human Fas (CD95; APO-1)(aa 7-154) is fused to the Fc portion of human IgG1. Purified by multi-step chromatography.

Format:

50 µg lyophilized, contains PBS.

Purity:

≥95% as determined by SDS-PAGE.
Endotoxin content is <0.1 EU/µg purified protein as determined by LAL test.

Protocol:

Reconstitute with 50 µL sterile water to produce a 1 mg/mL solution in PBS. Further dilutions should be made with medium containing 5% fetal calf serum (FCS) or a carrier protein.

Storage:

Store at -20°C. After reconstitution, aliquot and store at -20°C. Avoid repeated freeze/thaw cycles (activity may decrease).

Application:

- Functional Application: Inhibition of FAS Ligand activity in human and mouse: The apoptosis-inducing activity of FasL is inhibited by concentrations of 20-100 µg/mL of the fusion protein. Concentrations of AF-016 required to inhibit may vary depending on the cell viability and on the concentrations of sFasL used to kill the cells.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. **KAMIYA BIOMEDICAL COMPANY** is not liable for any damage, personal injury, or economic loss caused by this product.