PRODUCT DATA SHEET

Bioworld Technology,Inc.

Recombinant Fas R, Human

Catalog Number: BK0303-10μg Source: HEK 293 Quantity: 10μg

Description:

Fas Receptor and Fas Ligand (FasL) belong to the TNF superfamily and are type I and type II transmembrane proteins, respectively. Binding of FasL to Fas triggers apoptosis in Fas-bearing cells. The mechanism of apoptosis involves recruitment of pro-caspase 8 throμgh an adaptor molecule called FADD followed by processing of the pro-enzyme to active forms. These active caspases then cleave various cellular substrates leading to the eventual cell death. sFasR is capable of inhibiting FasL-induced apoptosis by acting as a decoy receptor that serves as a sink for FasL.

Molecular Weight:

17~29 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 <0.4 μg/ml, measured by its ability to inhibit the cytotoxicity of Jurkat cells in the presence of 20ng/ml of human Fas Ligand.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

QVTDINSKGLELRKTVTTVETQNLEG-
LHHDGQFCHKPCPPGERKARDCTVNG-
DEPDCVPCQEGKEYTDKAHFSSK-
CRRCRLCDEGHGLEVEINCTRTQNTKCRCK-
PNFFCNSTVCEHCDPCTKCEHGIIKECT-
LTSNTKCKEEGSRS

Endotoxin:

< 0.2 EU/μg, determined by LAL method.

Reconstitution:

Reconstituted in ddH2O or PBS at 100 μg/ml.

Storage:

Lyophilized recombinant Human Fas Receptor remains stable up to 6 months at -80℃ from date of receipt. Upon reconstitution, Human Fas Receptor should be stable up to 1 week at 4℃ or up to 2 months at -20℃.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.

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