



Product Datasheet

Product Name	CD95 Human Recombinant, His Tag
Cata No	CB501451
Source	<i>Escherichia Coli.</i>
Synonyms	CD95, CD-95, Tumor necrosis factor receptor superfamily member 6, FASLG receptor, Apoptosis-mediating surface antigen FAS, Apo-1 antigen, CD95 antigen, FAS, APT1, FAS1, TNFRSF6, APO-1, FASTM, ALPS1A.

Description

FAS / CD95 is a 36kDa transmembrane type I receptor, which belongs to the NF/NGF receptor super-family. It is a potent inducer of apoptosis in cells of the immune system upon interaction with its natural ligand, CD95L. Although the CD95/CD95L system could play a role in tumor regression, tumor cells seem to down-regulate CD95 expression as a mechanism of resistance to CD95L-induced killing by T lymphocytes and NK cells. The Fas antigen is expressed on the surface of various cell types, including activated T and B lymphocytes and T lymphoblastoid cell line. CD95 is also expressed in a broad panel of non-transformed cells outside the immune system.

Recombinant FAS antigen/ CD95 purified from *E. coli* is a single non-glycosylated polypeptide chain containing amino acids 157-320 of Fas antigen (base pairs 713-1190 of cDNA sequence). The recombinant CD95 is fused to C-terminal 6-histidine amino acids.

The FAS antigen is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile liquid formulation.

Purity

Greater than 95% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

8M urea, 20mM Tris-HCl, pH-8.0, 0.2M Imidazole, 0.01M β -ME.

Stability

CD95 although stable at 10°C for 5 days, should be stored desiccated below -18°C.

Please prevent freeze-thaw cycles.