

Product Data Sheet

Product Name: Solitomab

Cat. No.: GC74539

Chemical Properties

Cas. No. 1005198-65-1

Formula

M.Wt

Solubility

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Solitomab

Background

Solitomab (AMG 110) is a bispecific anti-CD3 and anti-epithelial-cell-adhesion-molecule (EpCAM) antibody. Solitomab can be used for the research of primary uterine and ovarian carcinosarcoma cancer.

Solitomab (1 µg/mL; 4 hours) shows cytotoxicity to EpCAM-positive cell lines and increases the

Caution: Product has not been fully validated for medical applications. For research use only.

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sensibility of EpCAM positive carcinosarcomas (CS) cells to T-cell-cytotoxicity[1].Solitomab (7 days) increases the expression level of CD25 and HLA-DR protein (T-cell activation markers) on CD8+ and CD4+ T cells[1].Solitomab (0-2.5 µg/mL; 4 hours) is cytotoxic to ovarian carcinoma cells and the 1 µg/mL dose shows the best tumor killing effects[2].

References:

[1]. Ferrari F, et al. Solitomab, an EpCAM/CD3 bispecific antibody construct (BiTE®), is highly active against primary uterine and ovarian carcinosarcoma cell lines in vitro. J Exp Clin Cancer Res. 2015 Oct 17;34:123.

[2]. English DP, et al. Solitomab, an epithelial cell adhesion molecule/CD3 bispecific antibody (BiTE), is highly active against primary chemotherapy-resistant ovarian cancer cell lines in vitro and fresh tumor cells ex vivo. Cancer. 2015 Feb 1;121(3):403-12.

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