

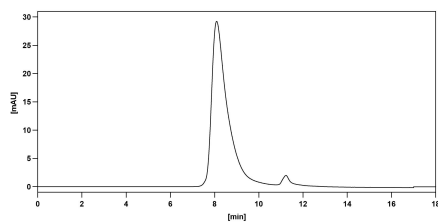
Product Information	
Catalog No.	BS10602
Product name	Anti-Ganglioside GD2 Reference Antibody (Dinutuximab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	General
Host species	Chimeric
Clonality	Monoclonal
Isotype	IgG1-kappa
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	1.3mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	Ganglioside GD2
Expression system	Mammalian Cells
Accession	65988-71-8
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	14.18, MAb-14.18, MOABCh14.18, CAS: 1363687-32-4, DGK07804
Note	For research use only. Not suitable for clinical or therapeutic use.

Background

Lorukafusp alfa (14.18 mAb; hu14.18-IL2) is an immunocytokine consisting of the humanized 14.18 anti-GD2 mAb linked to IL210. Lorukafusp alfa has activity mediated by activation of antibody-dependent cellular cytotoxicity (ADCC) and complement-dependent cytotoxicity via the binding of hu14.18-IL2 to GD2 on the tumor cell surface, followed by binding to Fc receptors on effector cells along with activation of NK and T cells via IL2 receptor binding. Lorukafusp alfa has anti-tumor activity.

- Ganglioside GD2: a novel therapeutic target in triple-negative breast cancer., PMID:34596246
- GD2 is a Crucial Ganglioside in the Signal Modulation and Application as a Target of Cancer Therapeutics., PMID:39921214
- Preclinical Development of CAR T Cells with Antigen-Inducible IL18 Enforcement to Treat GD2-Positive Solid Cancers., PMID:38593230
- Ganglioside GD2 Contributes to a Stem-Like Phenotype in Intrahepatic Cholangiocarcinoma., PMID:39726234
- Preclinical assessment of the efficacy and specificity of GD2-B7H3 SynNotch CAR-T in metastatic neuroblastoma., PMID:33479234
- Ganglioside GD2 Enhances the Malignant Phenotypes of Melanoma Cells by Cooperating with Integrins., PMID:35008849
- RNA Sequencing-Based Identification of Ganglioside GD2-Positive Cancer Phenotype., PMID:32486168
- Potent antitumor efficacy of anti-GD2 CAR T cells in H3-K27M+ diffuse midline gliomas., PMID:29662203
- Anti-GD2 antibody with GM-CSF, interleukin-2, and isotretinoin for neuroblastoma., PMID:20879881

Image Data



SEC-HPLC detection for Research Grade Dinutuximab.

Bioactivity