

PRODUCT DATA SHEET

mab0014 Monoclonal Antibody to Ganglioside-GD3



Product Number/Size

mab0014-0 Lyophilized from 0,5 ml of tissue culture supernatant
mab0014-1 Lyophilized from 1 ml of tissue culture supernatant

Product specifications

Immunogen Ganglioside-GD3

Form Tissue culture supernatant

Raised in Mouse

Clone 4F6

Isotype IgG3 / Kappa

Specificity Monoclonal antibody reacts specifically with GD3 ganglioside : (NeuAc alpha 2-8NeuAc alpha 2-3Gal beta 1-4Glc beta 1-1Cer)

Cross reactions Cross reacts with 9-O-AcGD3 ganglioside (9OAcNeuAc alpha 2-8NeuAc alpha 2-3Gal beta 1-4Glc beta 1-1Cer) and GT1a ganglioside (NeuAc alpha 2-8NeuAc alpha 2-3Gal beta 1-4GalNAc beta 1-4(NeuAc alpha 2-3)Gal beta 1-4Glc beta 1-1Cer)

Working dilutions Optimal dilutions should be determined by the end user
The following are guidelines only :
- ELISA : 1/5 to 1/50
- Western Blot : 1/5 to 1/20

Packaging specifications

Appearance Lyophilized powder (glass vial)
Vial must be reconstituted as follow :
- mab0014-0 in 0,5 ml of distilled water
- mab0014-1 in 1 ml of distilled water

Preservative None

Storage Short term storage : +4°C
Long term storage : -20°C

References

- 1) Zebda N and al. Deficiency of ganglioside biosynthesis in metastatic human melanoma cells: relevance of CMP-NeuAc:LacCer alpha 2-3 sialyltransferase (GM3 synthase). FEBS Letters (1995), 362(2), 161-164.
- 2) Portoukalian J and al. Shedding of GD2 ganglioside in patients with retinoblastoma. Int. J. Cancer (1993), 53(6), 948-951.
- 3) Cerato E and al. Variable region gene segments of nine monoclonal antibodies specific to disialogangliosides (GD2, GD3) and their O-acetylated derivatives. Hybridoma (1997), 16(4), 307-316.
- 4) Thomas C.P and al. Gangliosides protect human melanoma cells from ionizing radiation-induced clonogenic cell death. Glycoconj. J. (1996), 13(3), 377-384.

Product type

Primary antibody

Clonality

Monoclonal Antibody

Related product

lab0252 ; lab0242 ;
lab0235 ; lab0246 ;
lab0257 ; lab0239 ;
lab0250 ...; opr0002 ;
opr0008 ; opr0009

Warning

This is a laboratory reagent. It is not to be administered to human or animals nor be used as a drug

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version D

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