Anti-Lewis Y [C14]

Catalogue number: 153394
Sub-type: Primary antibody
Images:

Contributor

Inventor: Mike Price
Institute: University of Nottingham
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Lewis Y [C14]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: MAbs targeting both Lewis(y) and Lewis(b) may have a therapeutic advantage over mAbs targeting just one hapten. 692/29 has a more restricted normal tissue distribution and a higher antigen threshold for killing which should reduce its toxicity compared to a Lewis(y) specific mAb. 692/29 has an ability to directly kill tumours whereas the anti-Lewis(b) mAb does not. This suggests that Lewis(y) but not Lewis(b) are functional glycans. 692/29 showed good anti-tumour responses in vivo and is a strong therapeutic candidate.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: Tumor cells
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:

Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Lewis Y

Target alternate names:

Target background: MAbs targeting both Lewis(y) and Lewis(b) may have a therapeutic advantage over mAbs targeting just one hapten. 692/29 has a more restricted normal tissue distribution and a higher antigen threshold for killing which should reduce its toxicity compared to a Lewis(y) specific mAb. 692/29 has an ability to directly kill tumours whereas the anti-Lewis(b) mAb does not. This suggests that Lewis(y) but not Lewis(b) are Fn glycans. 692/29 showed good anti-tumour responses in vivo and is a strong therapeutic candidate.

Molecular weight:

Ic50:

Applications

Application: ELISA ; FACS ; IHC
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: -15° C to -25° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Noble et al. 2013. PLoS One. 8(2):e54892. PMID: 23408949. ; Therapeutic targeting of Lewis(y) and Lewis(b) with a novel monoclonal antibody 692/29.