Anti-CD44v3 [2C5]

Catalogue number: 151572
Sub-type: Primary antibody
Images:

Contributor

Inventor:
Institute: University of Oxford
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD44v3 [2C5]

Alternate name: CD44 Molecule; Hematopoietic Cell E- And L-Selectin Ligand; GP9 Lymphocyte Homing/Adhesion Receptor; Chondroitin Sulfate Proteoglycan 8; Extracellular Matrix Receptor III; Heparan Sulfate Proteoglycan; Phagocytic Glycoprotein; Hyaluronate Receptor; Hermes Antigen; ECMR-III; HUTCH-I; Epican; CDW44; MDU2; MDU3; MIC4; LHR; Cell Surface Glycoprotein CD44; Phagocytic Glycoprotein I; Soluble CD44; CSPG8; HCELL; PGP-1; MC56; Pgp1

Class: Monoclonal
Conjugate: Unconjugated
Description: Monoclonal antibody which binds all isoforms of CD44.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG2a
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: Human chimeric fusion protein
Immunogen UNIPROT ID: P16070
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:

Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: CD44v3-10-Fc

Target alternate names:

Target background: CD44H, also called CD44s, refers to the standard form of CD44 without variable exons. A large number of CD44 isoforms can be generated by the insertion of different combinations of at least nine exons. CD44 is an integral cell membrane glycoprotein that binds to hyaluronan and is involved in matrix adhesion, lymphocyte activation, and lymph node homing. The CD44 protein is expressed as a family of molecular isoforms generated from alternative RNA splicing and posttranslational modifications. CD44 is expressed on multiple cell types and is involved in multiple functions including cell-cell interactions and cell-extracellular matrix binding. CD44 participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, haematopoiesis, and tumour metastasis. Hyaluronan, a high molecular weight polysaccharide component of the extracellular matrix acts as the principal ligand for the CD44 receptor.

Molecular weight:

Ic50:

Applications

Application: FACS ; IHC ; IP ; WB
Application notes:

Handling

Format: Liquid
Concentration: 1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Zhang et al. 2012. Clin Cancer Res. 18(21):5961-71. PMID: 22977194. ; FoxM1 inhibition sensitizes resistant glioblastoma cells to temozolomide by downregulating the expression of DNA-repair gene Rad51. ; Badie et al. 2010. Nat Struct Mol Biol. 17(12):1461-9. PMID: 21076401. ; BRCA2 acts as a RAD51 loader to facilitate telomere replication and capping.