

Anti-CD44v4/5 [3D2]

Catalogue number: 151574

Sub-type: Primary antibody

Images:

Contributor

Inventor: David Simmons

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD44v4/5 [3D2]

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 directed against CD44v4/5, strongly expressed on metastatic breast cancer cells.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: CD44v3-10-Fc 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: Monoclonal antibody directed against CD44v4/5, strongly expressed on metastatic breast cancer cells. Background and Research Application 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. Human CD44v4/5 is specific for CD44 protein isoforms containing human variant exons 4 and 5. Metastatic breast cancer cells strongly express a ~170 kD CD44 variant 4 (CD44v4).

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: Fox et al. 1994. Cancer Res. 54(16):4539-46. PMID: 7519124. ; Normal human tissues, in addition to some tumors, express multiple different CD44 isoforms.

CancerTools.org