

Anti-CD151 [11G5a]

Catalogue number: 152484

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: University of Manchester

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD151 [11G5a]

Alternate name: CD151 Molecule (Raph Blood Group); Platelet-Endothelial Tetraspan Antigen; CD151 Antigen (Raph Blood Group); Membrane Glycoprotein SFA-1; Tetraspanin-24; CD151 Antigen; Tspan-24; TSPAN24; PETA-3

Class: Monoclonal

Conjugate: Unconjugated

Description: Clone 11G5a recognizes the human CD151 cell surface antigen, also known as PETA-3. CD151 is expressed by epithelial cells, endothelial cells, platelets, megakaryocytes, monocytes and in the renal glomeruli and proximal and distal tubules. CD151 is not expressed by lymphocytes or granulocytes. More recently CD151 has also been shown to be expressed by erythrocytes, and to carry the MER2 blood group antigen. CD151 is a cell surface glycoprotein involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Tonsil/spleen.

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: CD151 (PETA-3)

Target alternate names:

Target background: Clone 11G5a recognizes the human CD151 cell surface antigen, also known as PETA-3. CD151 is expressed by epithelial cells, endothelial cells, platelets, megakaryocytes, monocytes and in the renal glomeruli and proximal and distal tubules. CD151 is not expressed by lymphocytes or granulocytes. More recently CD151 has also been shown to be expressed by erythrocytes, and to carry the MER2 blood group antigen. CD151 is a cell surface glycoprotein involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells.

Molecular weight:

Ic50:

Applications

Application: ELISA ; FACS ; IHC ; IF ; IP ; WB

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: Suarez et al. 2015. Arch Dermatol Res. 307(2):115-33. PMID: 25322916. ; Menhofer et al. 2014. Cardiovasc Res. 104(2):303-14. PMID: 25239826. ; Identification of biomarkers involved in differential profiling of hypertrophic and keloid scars versus normal skin. ; In vitro and in vivo characterization of the actin polymerizing compound chondramide as an angiogenic inhibitor. ; Tuckwell et al. 2000. Biochem J. 350 Pt 2:485-93. PMID: 10947963. ; Monoclonal antibodies identify residues 199-216 of the integrin alpha2 vWFA domain as a Flnly important region within alpha2beta1. ; Sincock et al. 1999. J Cell Sci. 112 (Pt 6):833-44. PMID: 10036233. ; PETA-3/CD151, a member of the transmembrane 4 superfamily, is localised to the plasma membrane and endocytic system of endothelial cells, associates with multiple integrins and modulates cell function. ; Fitter et al. 1999. Biochem J. 338 (Pt 1):61-70. PMID: 9931299. ; Transmembrane 4 superfamily protein CD151 (PETA-3) associates with beta 1 and alpha IIb beta 3 integrins in haemopoietic cell lines and modulates cell-cell adhesion.