

Anti-CLEC2 [AYP2]

Catalogue number: 151914

Sub-type:

Images:

Contributor

Inventor: Steve Watson

Institute: University of Birmingham

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CLEC2 [AYP2]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Patients with rheumatoid arthritis, an inflammatory disease associated with increased microparticle production, have raised plasma levels of microparticles that expressed CLEC-2 but not GPVI. CLEC-2 can be used to monitor platelet-derived microparticles. The observation that microparticles derived from activated platelets retain CLEC-2 but lose GPVI highlights the potential use of measurement of surface expression of platelet receptors to screen for platelet activation in a wide variety of cardiovascular and inflammatory diseases.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human papilloma virus

Selectivity:

Host: Mouse

Immunogen: A recombinant extracellular fragment of human CLEC-2 (aa 68-229), which is the extracellular domain of the protein.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Platelets

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: C-type lectin-like receptor 2, CLEC1b

Target alternate names:

Target background: Patients with rheumatoid arthritis, an inflammatory disease associated with increased microparticle production, have raised plasma levels of microparticles that expressed CLEC-2 but not GPVI. CLEC-2 can be used to monitor platelet-derived microparticles. The observation that microparticles derived from activated platelets retain CLEC-2 but lose GPVI highlights the potential use of measurement of surface expression of platelet receptors to screen for platelet activation in a wide variety of cardiovascular and inflammatory diseases.

Molecular weight: 26 kDa

Ic50:

Applications

Application: WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: Hybridomas were cultured at 37° C and 96% relative humidity in air containing 6% CO₂. Cells were grown in complete DMEM + Pen/strep + FCS was used at 10%. Cell density: Cells should be kept between 1-2x10⁵ cells/ml and 5x10⁵ cells/ml.

Storage conditions: 4° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-CLEC2 [AYP1]

References

References: Gitz E et al, Blood, 2014. PMID: 25150298

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