

Anti-HLA-A2 [BB7.2]

Catalogue number: 151297

Sub-type: Primary antibody

Images:

Contributor

Inventor: Walter Bodmer

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-HLA-A2 [BB7.2]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody directed against HLA-A2 histocompatibility antigen, used to aid investigation into foreign antigen presentation and HLA mRNA production.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2b

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Papain solubilised HLA-A2,

Immunogen UNIPROT ID: P04439

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Human Leukocyte Antigen- A2

Target alternate names:

Target background: Human Leukocyte Antigens (HLA) are highly polymorphic proteins that are involved in the presentation of antigens to the T-cell receptor. There are two classes of HLA antigens, class I (HLA-A, HLA-B and HLA-C) and class II (HLA-D). The polymorphic HLA-A, -B, -C glycoproteins have a molecular weight of 43,000 daltons and are expressed on the surfaces of nearly all somatic cells, except red blood cells. This antibody can be used for HLA typing. Anti-HLA-A2 BB7.2 antibody recognizes human leukocyte antigen (HLA) A2 which is a subset of MHC-class I molecules encoded by the A.02 allele. It recognises an epitope at the C-terminus of alpha-2 helix and a turn on one of the underlying beta strands. Anti-HLA-A2 BB7.2 binds to an epitope at the C-terminus of the alpha-2 helix within the human HLA-A2 histocompatibility antigen. This antibody has exhibited blocking activity. Anti-HLA monoclonal antibodies can help identify in vitro translation production from HLA region mRNA, alongside isolating specific mRNA via precipitation or binding of polysomes. Anti-HLA-A2 can aid study within the immune response, including the presentation of foreign antigens to the immune system.

Molecular weight:

Ic50:

Applications

Application: FACS ; IHC ; IF ; Fn

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: Pier et al. 2013. Fertil Steril. 99(1):199-205. PMID: 23009827. ; Auersperg et al. 2011. Int J Gynecol Pathol. 30(1):12-21. PMID: 21131839. ; Comer et al. 1999. J Clin Pathol. 52(5):355-7. PMID: 10560355. ; Application of a marker of ciliated epithelial cells to gynaecological pathology. ; Comer et al. 1999. Histochem J. 31(1):39-43. PMID: 10405821. ; Expression of an antigen associated with basal bodies of human ciliated epithelial cells. ; Comer et al. 1998. Hum Reprod. 13(11):3114-20. PMID: 9853867. ; Induction of a differentiated ciliated cell phenotype in primary cultures of Fallopian tube epithelium.

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