

Anti-Collagen Type VII [LH7.2]

Catalogue number: 152691

Sub-type: Primary antibody

Images:

Contributor

Inventor: Irene Leigh

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Collagen Type VII [LH7.2]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Type VII Collagen is found in anchoring fibrils at the dermal-epidermal junction. Type VII collagen is defective in Recessive Dystrophic Epidermolysis Bullosa (RDEB). LH7.2 can be used for differentiating invasive from non-invasive melanoma through clear visualisation of appearance and integrity of epidermal basement membrane and diagnosis and antenatal diagnosis of RDEB. LH 7:2 recognizes an EBM antigen which may be important in the pathogenesis of RDEB.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Cells from a single cell suspension of epidermal cells (obtained from fresh human neonatal foreskin) were lysed with Nonidet P40 in phosphate buffered saline and the insoluble pellet was sonicated to prepare insoluble fractions. The epitope is on the NC1 domain.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Collagen Type VII

Target alternate names:

Target background: Type VII Collagen is found in anchoring fibrils at the dermal-epidermal junction. Type VII collagen is defective in Recessive Dystrophic Epidermolysis Bullosa (RDEB). LH7.2 can be used for differentiating invasive from non-invasive melanoma through clear visualisation of appearance and integrity of epidermal basement membrane and diagnosis and antenatal diagnosis of RDEB. LH 7:2 recognizes an EBM antigen which may be important in the pathogenesis of RDEB.

Molecular weight: 250 kDa

Ic50:

Applications

Application: ELISA ; IHC ; IF ; 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: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Murray et al. 1995. Leuk Lymphoma. 17(5-6):501-8. PMID: 7549844. ; Immunocytochemical studies of an antigen in a human T-cell lymphoma line (Jurkat) recognized by certain monoclonal antibodies to CD-13 (aminopeptidase-N). ; van Hal et al. 1994. J Immunol. 153(6):2718-28. PMID: 7915741. ; Potential indirect anti-inflammatory effects of IL-4. Stimulation of human monocytes, macrophages, and endothelial cells by IL-4 increases aminopeptidase-N activity (CD13; EC 3.4.11.2). ; Ashmun et al. 1990. Blood. 75(2):462-9. PMID: 1967220. ; Metalloprotease activity of CD13/aminopeptidase N on the surface of human myeloid cells. ; Look et al. 1989. J Clin Invest. 83(4):1299-307. PMID: 2564851. ; Human myeloid plasma membrane glycoprotein CD13 (gp150) is identical to aminopeptidase N. ; Horton et al. 1985. Cancer Res. 45(11 Pt 2):5663-9. PMID: 4053038. ; Monoclonal antibodies to osteoclastomas (giant cell bone tumors): definition of osteoclast-specific cellular antigens.

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