

12-1053: Recombinant Rabbit Monoclonal Antibody to CD44v4 (Marker of Tumor Metastasis)(Clone : CD44v4/1700R)

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| Clonality : | Monoclonal |
| Clone Name : | CD44v4/1700R |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | CD44 |
| Gene ID : | 960 |
| Uniprot ID : | P16070 |
| Format : | Purified |
| Alternative Name : | LHR, BA-1, chondroitin sulfate proteoglycan 8 (CSPG8), Epican, Extracellular Matrix Receptor III (ECM III), GP90 Lymphocyte Homing Adhesion Receptor, HCAM, HCELL, hematopoietic cell E- and L-selectin ligand, Heparan Sulfate Proteoglycan, Hermes Antigen, HAS, HUTCH I, Hyaluronate Receptor, Indian blood group, Inlu Related p80 Glycoprotein, Ly 24, MDU2, MDU3, MIC4, MUTCH I, Phagocytic Glycoprotein 1 (PGP-1) |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Recombinant fragment corresponding to the v4 domain of human CD44 (exact sequence is proprietary) |

Description

This antibody recognizes an epitope encoded by exon v4 on the variant portion of human CD44. The CD44 molecule belongs to a family of cellular adhesion molecules found on a wide range of normal and malignant cells in epithelial, mesothelial and hemopoiesis tissues. CD44 is a single gene with 20 exons, of which 10 are normally expressed to encode the basic CD44 (H-CAM) molecule. The additional 10 exons (v1 to v10) are only expressed by alternative splicing of the nuclear RNA. The expression of specific cell adhesion molecule CD44 splice variants has been reported to be associated with metastasis in certain human malignancies.

Product Info

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| Amount : | 20 µg / 100 µg |
| Purification : | Purified Ab with BSA and Azide at 200ug/ml |
| Content : | 200ug/ml of Ab purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Immunohistochemistry (Formalin-fixed) (1-2µg/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

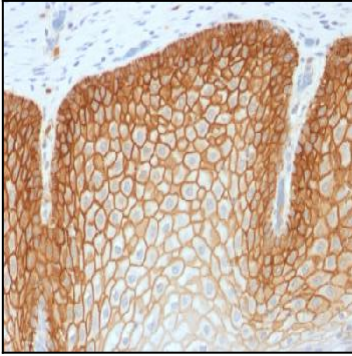


Figure 1: Formalin-fixed, paraffin-embedded human Cervical Squamous Cell Carcinoma stained with CD44v4 Rabbit Recombinant Monoclonal Antibody (CD44v4/1700R).

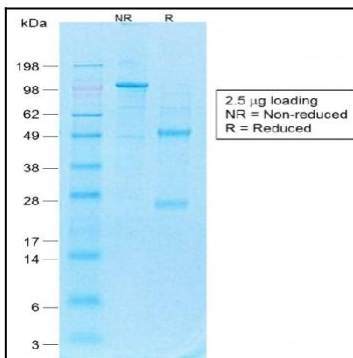


Figure 2: SDS-PAGE Analysis of Purified CD44v4 Rabbit Recombinant Monoclonal Antibody (CD44v4/1700R).