

Rabbit Anti-CD44 (HCAM) [EP44]: RM0044

Intended Use: For Research Use Only

Description: CD44 is a cell-surface glycoprotein postulated to play a role in a variety of biological processes, including cell-to-cell and cell-to-matrix adhesion, lymphocyte homing and tumor cell metastasis. Several isoforms of CD44 have been identified in human cells, and the genesis of some of these isoforms has been attributed to alternative splicing. Understanding of mechanisms regulating CD44 alternative splicing may provide insights into diverse processes, including tumor-cell metastasis and lymphocyte homing. CD44 is widely expressed on many types of cells with mesodermal and hematopoietic origin, epithelial cells and a variety of tumors derived from these cells. Loss of CD44 expression has been linked to tumor invasion, metastasis and progression in carcinomas of breast, prostate, lung, ovary and malignant melanoma.

Specifications:

Clone: EP44
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Membrane
Formulation: Purified ascites in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
CD44 (HCAM) Concentrated	RM0044	1 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, breast or colon cancer
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.