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36-1939: Monoclonal Antibody to CD44 / HCAM Std.(Clone: SPM544)

Clonality: Monoclonal Clone Name: SPM544

Application: Functional Assay,IHC,WB,IF

Reactivity: Human
Gene: CD44
Gene ID: 960
Uniprot ID: P16070
Format: Purified

Alternative Name: CD44,LHR,MDU2,MDU3,MIC4

Isotype: Mouse IgG2a, kappa

Immunogen Information: Stimulated human leukocytes

Description

Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes. Its epitope is resistant to digestion by trypsin and chymotrypsin. The CD44 family of glycoproteins exists in a number of variant isoforms, the most common being the standard 85-95kDa or hematopoietic variant (CD44s). Higher molecular weight isoforms are described in epithelial cells (CD44v), which are believed to function in intercellular adhesion and stromal binding. CD44 immunostaining is commonly used for the discrimination of urothelial transitional cell carcinoma in-situ from non-neoplastic changes in the urothelium.

Product Info

Amount: $100 \mu g$

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

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.

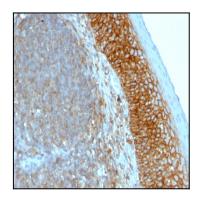
Application Note

Immunofluorescence (1-2ug/ml); Functional Studies (Order Ab without BSA & Azide); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/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);



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Formalin-fixed, paraffin-embedded human Tonsil stained with CD44 Monoclonal Antibody (SPM544) $\,$