

## 36-1942: Monoclonal Antibody to CD44 / HCAM Std.(Clone : DF1485)

Clonality :	Monoclonal
Clone Name :	DF1485
Application :	IHC,FACS,IF
Reactivity :	Human
Gene :	CD44
Gene ID :	960
Uniprot ID :	P16070
Format :	Purified
Alternative Name :	CD44,LHR,MDU2,MDU3,MIC4
Isotype :	Mouse IgG1, kappa
Immunogen Information	: Purified CD44 antigen (PGp-1) from lymphocyte membrane

## Description

Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leucocyte Typing Workshop V). 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.

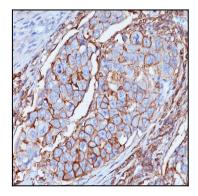
## Product InfoAmount :100 μgPurification :Affinity ChromatographyContent :100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly<br/>toxic.Storage condition :Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid<br/>repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/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 Breast Carcinoma stained with CD44 Monoclonal Antibody (DF1485)