

**Rabbit Anti-CD74 [EP167]: RM0051**

**Intended Use:** For Research Use Only

**Description:** Cluster of Differentiation 74 (CD74) is a type II transmembrane protein. In normal tissues, CD74 is expressed in B cells, monocytes, macrophages, Langerhans cells, dendritic cells, subsets of activated T cells, and thymic epithelium. Under inflammatory conditions, CD74 expression may be observed in endothelial and certain epithelial cells. CD74 expression has been observed in ~90% of B-cell cancers evaluated, as well as the majority of cell lines derived from these cancers. CD74 is a marker for distinguishing atypical fibroxanthoma from malignant fibrous histiocytoma, and it is also a useful marker for distinguishing leiomyosarcoma from leiomyoma.

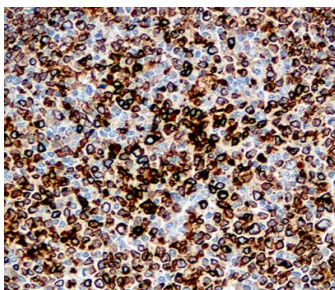
**Specifications:**

Clone: EP167  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Membrane  
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC, Flow Cyt., WB  
Package:

Description	Catalog No.	Size
CD74 Concentrated	RM0051	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Tonsil  
Concentrated Dilution: 50-200  
Pretreatment: EDTA pH8.0, 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.



FFPE human tonsil stained with anti-CD74 using DAB

**References:**

1. Cell Surface CD74-MIF Interactions Drive Melanoma Survival in Response to Interferon- $\gamma$ . Tanese K, et al. J Invest Dermatol. Nov;135(11):2775-84, 2015.
2. Involvement of CD74 in head and neck squamous cell carcinomas. Kindt N, et al. J Cancer Res Clin Oncol. Jun;140(6):937-47, 2014.
3. Expression of macrophage migration inhibitory factor and CD74 in cervical squamous cell carcinoma. Cheng RJ, Deng WG, Niu CB, Li YY, Fu Y. et al. Aug;21(6):1004-12, 2011.

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