



Mouse anti CD74 Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** CD74
- **Catalogue:** 604-600
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** LN2
- **Application:** IHC(P), FC
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human CD74

BACKGROUND

CD74, also known as CLIP, is a 33.5kD homotrimer and functions as a MHC class II chaperone for exogenous peptides and other MHC class II molecules. CD74 binds MIF and regulates innate and adaptive immunity through CD44 signaling. It is found primarily on B-cells, monocytes, macrophages and dendritic cells, but can also be found on activated T-cells, endothelial and epithelial cells.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human CD74 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: 0.5-5 $\mu\text{g}/10^6$ cells
- Molecular Weight: 45.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

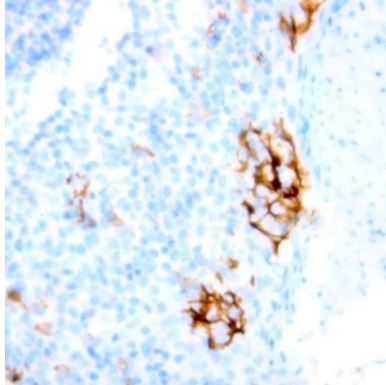
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CD74 (Cat# 604-600) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

Shih NY, et al. 1995. Mol. Immunol. 32:643

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