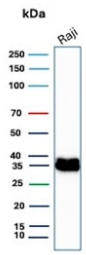
# CD74 Antibody / CLIP [clone CLIP/7945] (V5102)

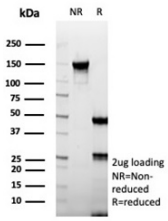
| Catalog No. | Formulation | Size |
|---|---|---|
| V5102-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5102-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5102SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

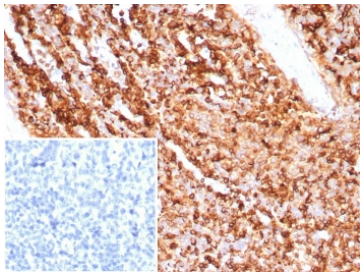
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG, kappa |
| **Clone Name** | CLIP/7945 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P04233 |
| **Localization** | Cell surface, Paranuclear globular |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT<br>Western Blot : 2-4ug/ml |
| **Limitations** | This CD74 antibody is available for research use only. |




Western blot testing of human Raji cell lysate with CD74 antibody. Expected molecular weight: 33-43 kDa.




SDS-PAGE analysis of purified, BSA-free CD74 antibody (clone CLIP/7945) as confirmation of integrity and purity.



IHC staining of FFPE human tonsil tissue with CD74 antibody (clone CLIP/7945) at 2ug/ml. Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

It recognizes a protein of ~35kDa, identified as CD74 (Workshop IV). CD74 is a type II transmembrane protein which binds to the peptide binding groove of newly synthesized MHC class II alpha/beta heterodimers and prevents their premature association with endogenous polypeptides. CD74 is expressed primarily by antigen presenting cells, such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas, but rarely T-cell lymphomas. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).

## Application Notes

Optimal dilution of the CD74 antibody should be determined by the researcher.

## Immunogen

A recombinant fragment of human CD74 protein was used as the immunogen for the CD74 antibody.

## Storage

Aliquot the CD74 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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