

**Rabbit Anti-CD24 Polyclonal: RC0032, RC0032RTU7**

**Intended Use:** For Research Use Only

**Description:** CD24 is a 35-45 kD protein also known as Heat Stable Antigen (HSA), Ly-52, or Nectadrin. It is a GPI-linked sialoglycoprotein expressed on lymphocytes, granulocytes, epithelial cells, thymocytes, monocytes, erythrocytes, and dendritic cells. CD24 expression varies during T and B cell differentiation and is a useful marker for delineating various lymphocyte developmental stages. CD24 serves as an adhesion or costimulatory molecule involved in T and B lymphocyte activation and differentiation by homophilic binding or binding to CD62P.

**Specifications:**

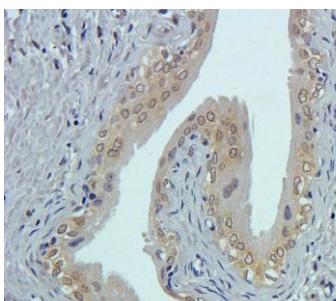
Clone: Polyclonal  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human, mouse, rat  
 Immunogen: Synthetic peptide derived from human CD24  
 Localization: Membrane  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
CD24 Concentrated	RC0032	1 ml
CD24 Prediluted	RC0032RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Colon, tonsil  
 Concentrated Dilution: 10-100  
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
 Incubation Time and Temp: Overnight at 4°C  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE rat lymph node stained with anti-CD24 using DAB

**References:**

1. Notochordal and nucleus pulposus marker expression is maintained by sub-populations of adult human nucleus pulposus cells through aging and degeneration. Richardson SM et al. Sci Rep 7:1501, 2017.
2. Expression of Genes Related to Germ Cell Lineage and Pluripotency in Single Cells and Colonies of Human Adult Germ Stem Cells. Conrad S, et al. Stem Cells Int 2016:8582526, 2016.
3. Genomic and phenotypic profiles of two Brazilian breast cancer cell lines derived from primary human tumors. Natássia C R Corrêa, et al., Oncol Rep. Apr;29(4):1299-307, 2013.