

## CD24 抗体

产品货号： mlR4890

英文名称： CD24

中文名称： CD24 抗体

别名： CD 24; CD24; CD24 antigen (small cell lung carcinoma cluster 4 antigen); CD24 antigen; CD24 molecule; CD24\_HUMAN; CD24A; GPI linked surface mucin; Heat stable antigen; HSA; Nectadrin; Signal transducer CD24; Small cell lung carcinoma cluster 4 antigen; Cd24; Cd24a; Ly-52.

研究领域： 肿瘤 细胞生物 免疫学 神经生物学 信号转导 干细胞 细胞粘附分子 糖蛋白 细胞类型标志物 自然杀伤细胞 t-淋巴细胞 b-淋巴细胞 骨髓细胞

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse,

产品应用： WB=1:500-2000 ELISA=1:500-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 3/8kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human Signal transducer CD24:27-59/80

**亚 型 :** IgG

**纯化方法 :** affinity purified by Protein A

**储 存 液 :** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**保存条件 :** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PubMed :** PubMed

**产品介绍 :** CD24 (also known as heat stable antigen) is a phosphatidylinositol linked cell surface glycoprotein with a polypeptide core of 30 amino acids and high carbohydrate content. The apparent molecular mass of the two forms of CD24 purified from a mouse lymphoma cell line appear to be in the range of 40-60 and 23-30 kDa. CD24 is expressed at all stages of B cell development and on most thymocytes. The absence of expression from mature T cells is closely associated with their maturation from CD4+ CD8+ CD24+ thymocytes to either CD4+ CD8- CD24- or CD4- CD8+ CD24- T cells. CD24 is also present on mouse granulocytes, monocytes, Langerhans cells and erythrocytes. Its ligand is P selectin (CD62P). CD24 may play a role in regulation of B cell proliferation and differentiation, and it has been proposed that heat stable antigen promotes homotypic adhesion between B lymphocytes. CD24 is also a positive marker of pancreatic cancer.

**Function:**

Modulates B-cell activation responses. Signaling could be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells.

**Subcellular Location:**

Cell membrane; Lipid-anchor, GPI-anchor.

**Tissue Specificity:**

B-cells. Expressed in a number of B-cell lines including P32/SH and Namalwa. Expressed in erythroleukemia cell and small cell lung carcinoma cell lines. Also expressed on the surface of T-cells.

**DISEASE:**

Genetic variations in CD24 are associated with susceptibility to multiple sclerosis (MS) [MIM:126200]. A multifactorial, inflammatory, demyelinating disease of the central nervous system. Sclerotic lesions are characterized by perivascular infiltration of monocytes and lymphocytes and appear as indurated areas in pathologic specimens (sclerosis in plaques). The pathological mechanism is regarded as an autoimmune attack of the myelin sheath, mediated by both cellular and humoral immunity. Clinical manifestations include visual loss, extra-ocular movement disorders, paresthesias, loss of sensation, weakness, dysarthria, spasticity, ataxia and bladder dysfunction. Genetic and environmental factors influence susceptibility to the disease. Note=Polymorphisms in CD24 may act as a genetic modifier for susceptibility and progression of MS in some populations, perhaps by affecting the efficiency of CD24 expression on the cell surface.

**Similarity:**

Belongs to the CD24 family.

**SWISS:**

P25063

**Gene ID:**

100133941

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

神经干细胞标志物

肿瘤标志物

CD24 是一种低分子质量高度糖基化的黏附分子，主要表达在造血系统。最近研究表明，在造血系统肿瘤和一些器官的实体瘤表面可见 CD24 高表达。近几年很多学者认为：CD24 在前列腺癌、非小细胞肺癌、鼻咽癌、原发性肝细胞癌、胆管细胞癌、麦克尔细胞癌、神经源性肿瘤、胰腺癌、胃癌、结肠癌、肾细胞癌、B 细胞淋巴瘤、乳腺癌等肿瘤组织中表达增强，且和肿瘤侵袭转移、复发和预后相关。

产品图片

