



**Rabbit Anti-CD24 antibody**

SL23867R

<b>Product Name:</b>	CD24
<b>Chinese Name:</b>	CD24 抗体
<b>Alias:</b>	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.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:5000-10000IHC-P=1:100-500IHC-F=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>molecular weight:</b>	3/8kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD24 :35-80/80
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Shipped at 4℃. Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles.
<b>attention:</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed:</b>	PubMed
<b>Product Detail:</b>	<p>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.</p> <p><b>Function:</b> 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</p>

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

**Database links:**

Entrez Gene: 100133941Human

Entrez Gene: 12484Mouse

Entrez Gene: 25145Rat

Omim: 600074Human

SwissProt: P25063Human

SwissProt: P24807Mouse

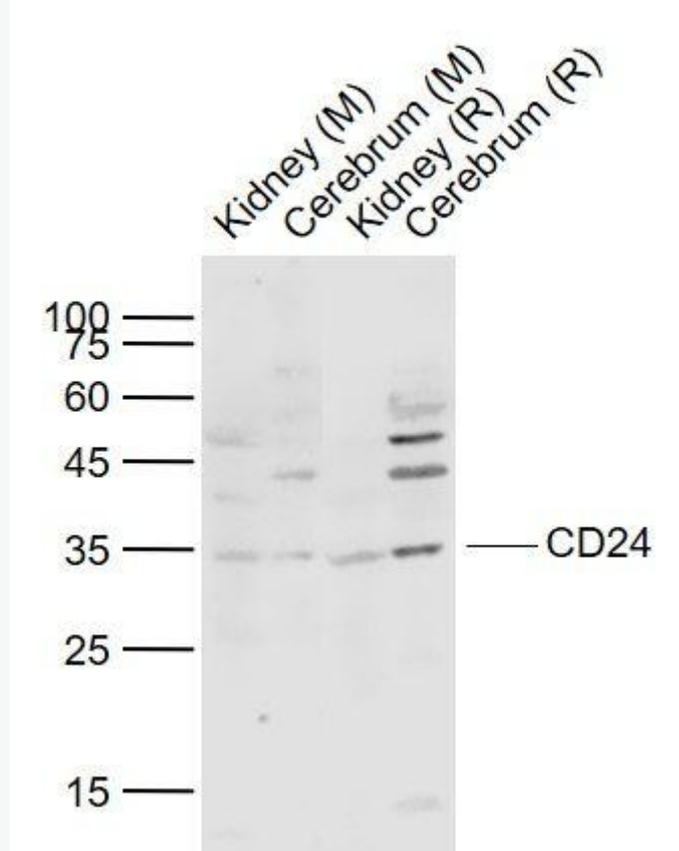
SwissProt: Q07490Rat

Unigene: 644105Human

Unigene: 721443Human

Unigene: 29742Mouse

Unigene: 6007Rat



Sample:

Lane 1: Kidney (Mouse) Lysate at 40 ug

Lane 2: Cerebrum (Mouse) Lysate at 40 ug

Lane 3: Kidney (Rat) Lysate at 40 ug

Lane 4: Cerebrum (Rat) Lysate at 40 ug

Primary:

Anti- CD24 (SL23867R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 35 kD

Observed band size: 35 kD