



Rat Anti-Mouse CD24 monoclonal antibody, clone 40-G2 (DMAB18761U)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is the unconjugated format of DMAB18761
Immunogen	Mouse thymus or spleen
Isotype	IgG2c, K
Source/Host	Rat
Species Reactivity	Mouse
Clone	40-G2
Purification	Purified
Conjugate	Unconjugated
Applications	FC
Format	Liquid
Concentration	Lot specific
Size	500 µg
Buffer	Borate buffered saline, pH 8.2
Preservative	None
Storage	Store at 2 - 8°C.
Ship	Wet ice

BACKGROUND

Introduction

CD24 is expressed in B cells until their terminal differentiation into plasma cells. It has been used widely as a marker to fractionate different B-lineage differentiation stages. CD24 has been found on a variety of other hematopoietic and neural cell types and is now classified as a costimulatory molecule. The CD24 molecule, also known as HSA, is composed mostly of carbohydrate with a protein core of only 31-35 amino acids in the human and 27 amino acids in the mouse. CD24 is now included in the large group of phosphatidylinositol-anchored membrane proteins. Studies with purified CD24 applied to latex beads have demonstrated a self-binding property suggesting that the molecule is capable of promoting homotypic aggregation, binding, and cell adhesion. This is supported by earlier observations of the blockade of B cell lymphoblast aggregation with an anti-CD24 monoclonal antibody. Recent studies of murine CD24 have assigned a role for CD24 as a ligand for P-selectin, a calcium-dependent lectin.

Keywords

Heat stable antigen, HSA;CD24;Ly-52;nectadrin

GENE INFORMATION

Gene Name CD24

Entrez Gene ID [12484](#)

UniProt ID [P24807](#)