

Datasheet for ABIN7271881 **anti-CD21 antibody**



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Overview

Quantity:	100 µg
Target:	CD21 (CR2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD21 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	CD21 Unconjugated Antibody
Immunogen:	Human complement receptor 2 (CR2)
Clone:	HB5
Isotype:	IgG2a
Characteristics:	The mouse monoclonal antibody produced by clone HB5 binds to complement receptor 2 (CR2), known as CD21, a 145 kDa glycoprotein of the complement control protein family. It is a receptor for the complement components C3d and C3g and, under pathological circumstances, for the Epstein-Barr virus (EBV). As complement breakdown fragments remain bound to the agent initiating the complement activation in the first place, CD21 plays an important role in the uptake of immunocomplexes. In addition, it plays a role in B cell development and activation as well as memory B cell survival. Thus, it is a key component in developing and maintaining humoral immune response to T-dependent antigens. CD21 associates with CD19, CD81 and

Product Details

	the B cell receptor. The cell surface marker CD21 is expressed on mature B cells and follicular dendritic cells. It is used as a cell marker for the phenotyping of leukemias.
Purification:	Purified
Purity:	>95 %
Grade:	GMP Grade

Target Details

Target:	CD21 (CR2)
Alternative Name:	CD21 (CR2 Products)
Gene ID:	1380
UniProt:	P20023
Pathways:	Complement System

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS pH 7.2, 0.1 % (w/v) BSA, 0.09 % (w/v) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C