

Product datasheet

Anti-CD21 antibody [LT21] (FITC) ab65809

Overview

Product name	Anti-CD21 antibody [LT21] (FITC)
Description	Mouse monoclonal [LT21] to CD21 (FITC)
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Cow, Human, Pig
Immunogen	IM9 human B-lymphoblastoid cell line.
General notes	CD21 is expressed on B lymphocytes, follicular dendritic cells, some epithelial cells and a subsets of T lymphocytes. It is not expressed on immature B cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: PBS, 0.2% BSA
Purity	Size exclusion
Purification notes	>95% pure (by SDS Page).
Primary antibody notes	CD21 is expressed on B lymphocytes, follicular dendritic cells, some epithelial cells and a subsets of T lymphocytes. It is not expressed on immature B cells.
Clonality	Monoclonal
Clone number	LT21
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab65809** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Flow Cyt		Use 20µl for 10 ⁶ cells. Use 20µl for 106 cells or 100µl of whole blood.
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[ab91356](#) - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Receptor for complement C3Dd, for the Epstein-Barr virus on human B-cells and T-cells and for HNRPU. Participates in B lymphocytes activation.
Tissue specificity	Mature B-lymphocytes, T-lymphocytes, pharyngeal epithelial cells, astrocytes and follicular dendritic cells of the spleen.
Involvement in disease	Genetic variations in CR2 are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9) [MIM:610927]. Systemic lupus erythematosus (SLE) is a chronic autoimmune disease with a complex genetic basis. SLE is an inflammatory, and often febrile multisystemic disorder of connective tissue characterized principally by involvement of the skin, joints, kidneys, and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.
Sequence similarities	Belongs to the receptors of complement activation (RCA) family. Contains 15 Sushi (CCP/SCR) domains.
Cellular localization	Membrane.

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