

Product datasheet

Alexa Fluor® 647 Anti-CD21 antibody [LT21] ab187583

1 Image

Overview

Product name	Alexa Fluor® 647 Anti-CD21 antibody [LT21]
Description	Alexa Fluor® 647 Mouse monoclonal [LT21] to CD21
Host species	Mouse
Conjugation	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD21. IM9 Human B-lymphoblastoid cell line. Database link: P20023

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: 99% PBS, 0.2% BSA High-grade protease free Bovine Serum Albumin (BSA) is used as a stabilizing agent.
Purity	Size exclusion
Purification notes	The purified antibody is conjugated with Alexa Fluor® 647 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Clonality	Monoclonal
Clone number	LT21

Isotype

IgG1

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab187583 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
Flow Cyt		Use 4µl for 10 ⁶ cells. ab176103 - 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.

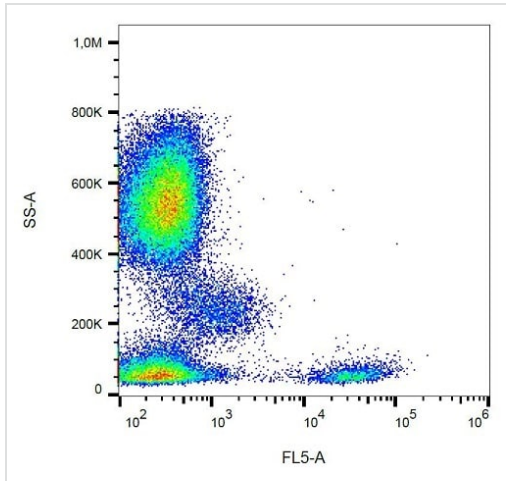
Sequence similarities

Belongs to the receptors of complement activation (RCA) family.
Contains 15 Sushi (CCP/SCR) domains.

Cellular localization

Membrane.

Images



Surface staining of human peripheral blood leukocytes with
ab187583

Flow Cytometry - Alexa Fluor® 647 Anti-CD21
antibody [LT21] (ab187583)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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