

### Anti-CD21+CD35 antibody [7E9] ab155579

#### Overview

<b>Product name</b>	Anti-CD21+CD35 antibody [7E9]
<b>Description</b>	Rat monoclonal [7E9] to CD21+CD35
<b>Host species</b>	Rat
<b>Specificity</b>	ab155579 does not inhibit rosette formation between 2PK3 cells and Crd-coated SRBC indicator cells.
<b>Tested applications</b>	<b>Suitable for:</b> IP, ICC/IF, WB, Flow Cyt <b>Unsuitable for:</b> FuncS
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Purified mouse CD35 from serum.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: 99% PBS, 0.1% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	7E9
<b>Isotype</b>	IgG2a

#### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab155579 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
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab18450</b> - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

#### Application notes

Is unsuitable for FuncS.

#### Target

#### Relevance

CD21 also known as complement receptor 2 (CR2), C3d receptor or EBV receptor is a 140 kDa protein. CD21 is a glycosylated type I transmembrane protein consisting of an extracellular face of a series of 15 or 16 CCP domains. CD21 is the receptor for complement components C3d and iC3b as well as the Epstein-Barr virus (EBV) glycoprotein gp350/220. The soluble CD21 (sCD21) was shown to efficiently trigger CD23 signalling pathways in human monocytes. By inducing release of proinflammatory cytokines and upregulating expression of molecules involved in antigen presentation, sCD21 modulates critical monocyte functions that may be relevant to allergic and inflammatory disorders. The CD35 gene encodes a membrane glycoprotein found on peripheral blood cells, glomerular podocytes, and follicular dendritic cells. The protein is a receptor for complement components C3b and C4b and regulates the activity of the complement cascade. Variation in this protein is the basis of the Knops blood group system. The two most common alleles, F and S, differ by 8 exons and are thought to be the result of an unequal crossover event. A secreted form of the protein present in plasma has been described, but its full length nature has not been determined.

#### Cellular localization

Membrane; Single pass type I membrane protein.

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

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