

## Product datasheet

# Anti-CD43 antibody [W3/13] (Phycoerythrin) ab33885

### Overview

<b>Product name</b>	Anti-CD43 antibody [W3/13] (Phycoerythrin)
<b>Description</b>	Mouse monoclonal [W3/13] to CD43 (Phycoerythrin)
<b>Host species</b>	Mouse
<b>Conjugation</b>	Phycoerythrin. Ex: 488nm, Em: 575nm
<b>Specificity</b>	ab33885 recognises the rat CD43 cell surface antigen, also known as leukosialin and sialophorin.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Tissue/ cell preparation (Rat) - thymocyte membrane glycoproteins.
<b>Positive control</b>	Rat splenocytes.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: 1% BSA, PBS, pH 7.2
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	W3/13
<b>Myeloma</b>	NS1
<b>Isotype</b>	IgG1

### Applications

Our [Abpromise guarantee](#) covers the use of **ab33885** 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		

**Application notes**

Flow Cyt: Use Neat -10µl for 10<sup>6</sup> cells in 100µl.

This antibody is routinely tested in flow cytometry on rat splenocytes.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

**Target**

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**Function**

One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.

**Tissue specificity**

Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.

**Post-translational modifications**

Glycosylated; has a high content of sialic acid and O-linked carbohydrate structures.

**Cellular localization**

Membrane.

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