

## Product datasheet

# Anti-CD2 antibody [TS218] - BSA and Azide free ab175287

[4 Images](#)

### Overview

<b>Product name</b>	Anti-CD2 antibody [TS218] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [TS218] to CD2 - BSA and Azide free
<b>Host species</b>	Mouse
<b>Specificity</b>	Does not work with Rat in Western Blot applications
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length protein corresponding to Human CD2. Native protein Database link: <a href="#">P06729</a>
<b>Positive control</b>	Human PBMC cells; Jurkat cells, Ramos, A-431, Raji.
<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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified IgG from mouse ascites fluid.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	TS218

**Isotype** IgG1

**Light chain type** kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab175287 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
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 39 kDa.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

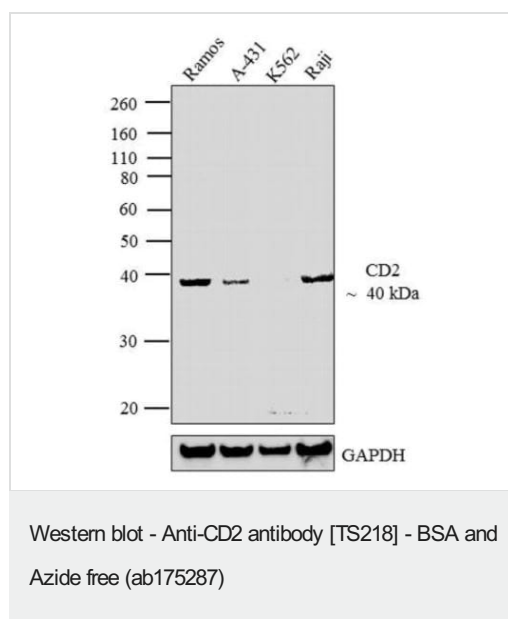
## Target

**Function** CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.

**Sequence similarities** Contains 1 Ig-like C2-type (immunoglobulin-like) domain.  
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

**Cellular localization** Membrane.

## Images



**All lanes** : Anti-CD2 antibody [TS218] - BSA and Azide free (ab175287) at 2 µg/ml

**Lane 1** : Ramos

**Lane 2** : A-431

**Lane 3** : K562

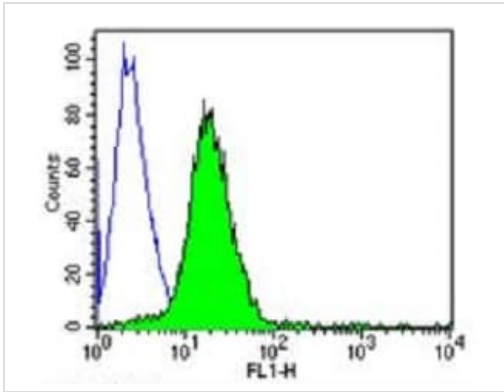
**Lane 4** : Raji

Lysates/proteins at 30 µg per lane.

### Secondary

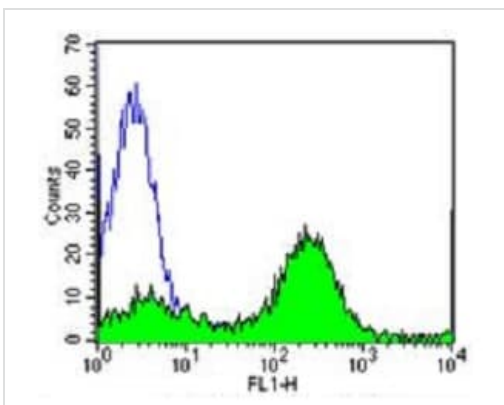
**All lanes** : Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate at 1/4000 dilution

**Predicted band size:** 39 kDa



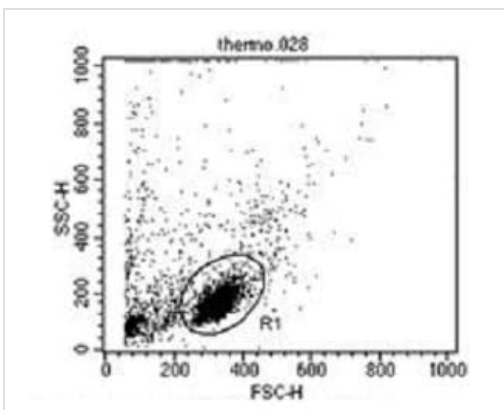
Flow Cytometry - Anti-CD2 antibody [TS218] - BSA and Azide free (ab175287)

Flow cytometric analysis of Jurkat cells labeling CD2 with ab175287 at a dilution of 0.5 µg/test (green), compared to an isotype control (blue). A Dylight 488-conjugated goat anti-mouse IgG (H+L) was used as the secondary antibody.



Flow Cytometry - Anti-CD2 antibody [TS218] - BSA and Azide free (ab175287)

Flow cytometric analysis of PBMC cells labeling CD2 with ab175287 at a dilution of 0.5 µg/test (green), compared to an isotype control (blue). A Dylight 488-conjugated goat anti-mouse IgG (H+L) was used as the secondary antibody.



Flow Cytometry - Anti-CD2 antibody [TS218] - BSA and Azide free (ab175287)

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

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