

Product datasheet

Anti-CD9 antibody [TS9] - BSA and Azide free ab58989

KO VALIDATED

★★★★★ [2 Abreviews](#) [5 References](#) [2 Images](#)

Overview

Product name	Anti-CD9 antibody [TS9] - BSA and Azide free
Description	Mouse monoclonal [TS9] to CD9 - BSA and Azide free
Host species	Mouse
Specificity	Recognises the p24 antigen, a 24 kda protein.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD9. HeLa cell line
Positive control	WB: HeLa, A549, MCF7 and HEL cell lysates.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 19th June 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.30</p> <p>Constituent: 100% PBS</p> <p>Sterile-filtered through 0.22 µm. Carrier and preservative free</p>
Carrier free	Yes

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	TS9
Myeloma	x63-Ag8.653
Isotype	IgG1
Light chain type	kappa

Applications

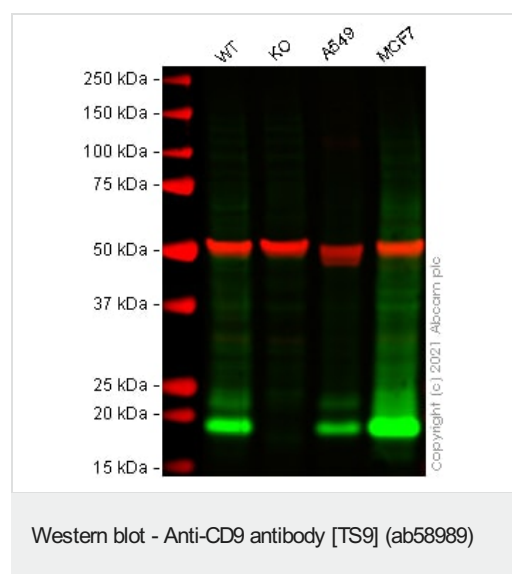
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab58989 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use at an assay dependent concentration. Predicted molecular weight: 24 kDa.

Target

Function	Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.
Tissue specificity	Expressed by a variety of hematopoietic and epithelial cells.
Sequence similarities	Belongs to the tetraspanin (TM4SF) family.
Post-translational modifications	Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.
Cellular localization	Membrane.

Images



All lanes : Anti-CD9 antibody [TS9] - BSA and Azide free (ab58989) at 1 µg/ml

- Lane 1 :** Wild-type HeLa (No DTT) cell lysate
- Lane 2 :** CD9 knockout HeLa (No DTT) cell lysate
- Lane 3 :** A549 (Non-Reducing) cell lysate
- Lane 4 :** MCF7 (Non-Reducing) cell lysate

Lysates/proteins at 20 µg per lane.

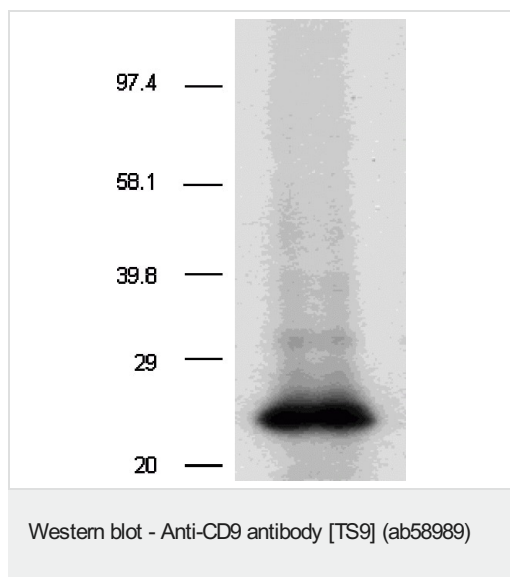
Performed under reducing conditions.

Predicted band size: 24 kDa

Observed band size: 24 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab58989 observed at 24 kDa. Red - loading control **ab52866** (Rabbit anti-alpha Tubulin antibody [EP1332Y]) observed at 55 kDa.

ab58989 was shown to react with CD9 in wild-type HeLa cells in Western blot with loss of signal observed in CD9 knockout cell line **ab255375** (CD9 knockout cell lysate **ab263754**). Wild-type HeLa and CD9 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween®) before incubation with ab58989 and **ab52866** (Rabbit anti-alpha Tubulin antibody [EP1332Y]) overnight at 4 °C at 1 µg/ml and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed (**ab216772**) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed (**ab216777**) secondary antibodies at 1 in 20000 dilution for 1 h at room temperature before imaging.



Anti-CD9 antibody [TS9] - BSA and Azide free (ab58989) + HEL cell lysate at 130000 cells

Performed under non-reducing conditions.

Predicted band size: 24 kDa

This image was generated using the ascites version of the product.

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

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