

## Product datasheet

# Anti-CD11b antibody [ITGAM/3338] - BSA and Azide free ab269686

4 Images

### Overview

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<b>Product name</b>	Anti-CD11b antibody [ITGAM/3338] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [ITGAM/3338] to CD11b - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, Protein Array, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human CD11b aa 941-1074. The exact sequence is proprietary. Database link: <a href="#">P11215</a>
<b>Positive control</b>	WB: Human spleen lysate. IHC-P: Human tonsil tissue.
<b>General notes</b>	<p>ab269686 is the carrier-free version of <a href="#">ab269676</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
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<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>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from Bioreactor Concentrate
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	ITGAM/3338
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab269686 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
<b>WB</b>		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 127 kDa.
<b>Protein Array</b>		Use at an assay dependent concentration.
<b>IHC-P</b>		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

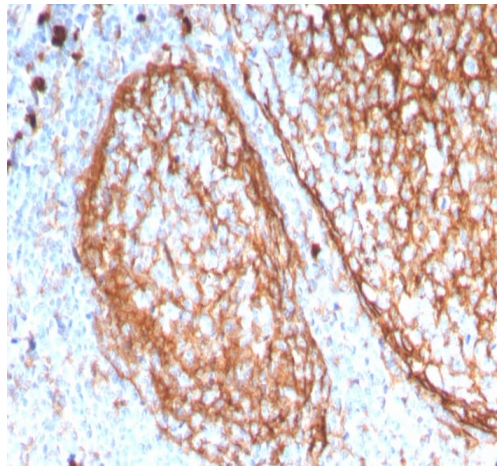
<b>Function</b>	Integrin alpha-M/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the R-G-D peptide in C3b. Integrin alpha-M/beta-2 is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain.
<b>Tissue specificity</b>	Predominantly expressed in monocytes and granulocytes.
<b>Involvement in disease</b>	Genetic variations in ITGAM has been associated with susceptibility to systemic lupus erythematosus type 6 (SLEB6) [MIM:609939]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.
<b>Sequence similarities</b>	Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. Contains 1 VWFA domain.
<b>Domain</b>	The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo

protease cleavage.

## Cellular localization

Membrane.

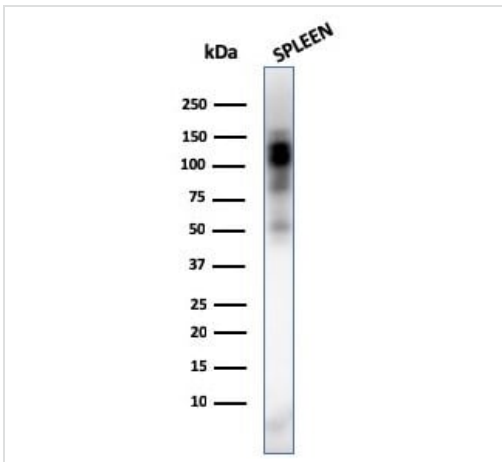
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [ITGAM/3338] - BSA and Azide free (ab269686)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for CD11b using [ab269676](#) at 2 µg/ml in immunohistochemical analysis.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and Sodium azide ([ab269676](#)).

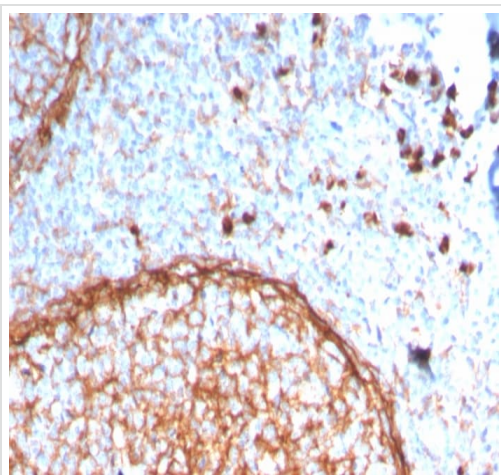


Western blot - Anti-CD11b antibody [ITGAM/3338] - BSA and Azide free (ab269686)

Anti-CD11b antibody [ITGAM/3338] ([ab269676](#)) at 2 µg/ml + Human spleen lysate

**Predicted band size:** 127 kDa

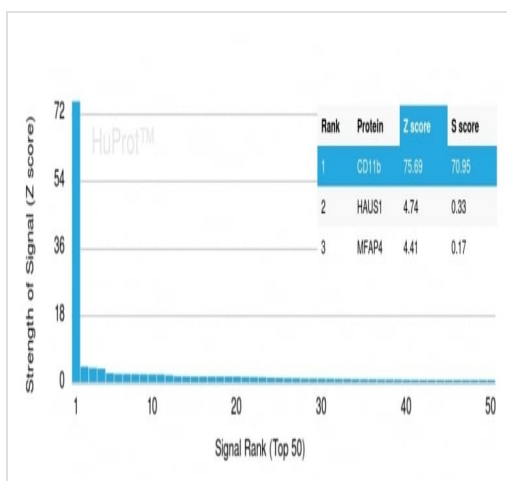
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and Sodium azide ([ab269676](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD11b antibody [ITGAM/3338] - BSA and Azide free (ab269686)

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Protein Array - Anti-CD11b antibody [ITGAM/3338] - BSA and Azide free (ab269686)

Analysis of Protein Array containing more than 19,000 full-length human proteins using **ab269676**.

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuPro<sup>TM</sup> array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuPro<sup>TM</sup> are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and Sodium azide (**ab269676**).

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

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