

## Product datasheet

# Anti-Ym-1 + Ym-2 antibody [EPR15263] - BSA and Azide free ab227110

Recombinant RabMAb

[3 Images](#)

### Overview

<b>Product name</b>	Anti-Ym-1 + Ym-2 antibody [EPR15263] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR15263] to Ym-1 + Ym-2 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Recombinant fragment aa 200-350. The exact sequence is proprietary. Database link: <a href="#">O35744</a>
<b>Positive control</b>	WB: Mouse lung, mouse brain, mouse heart, C6, Raw264.7, PC-12 and NIH3T3 lysates. IHC-P: Mouse liver tissue. ICC/IF: Raw264.7 cells Flow Cyt: C2C12 cells.
<b>General notes</b>	<p>Ab227110 is the carrier-free version of <a href="#">ab192029</a>. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our <a href="#">carrier-free formats</a> are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>Use our <a href="#">conjugation kits</a> 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>ab227110 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></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: PBS
<b>Carrier free</b>	Yes

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15263
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab227110** 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 at an assay dependent concentration. Detects a band of approximately 45 kDa (predicted molecular weight: 44, 45 kDa).
ICC/IF		1/200.
Flow Cyt		1/200. <a href="#">ab199376</a> - Rabbit monoclonal IgG (Low endotoxin, Azide free), is suitable for use as an isotype control with this antibody.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

## Target

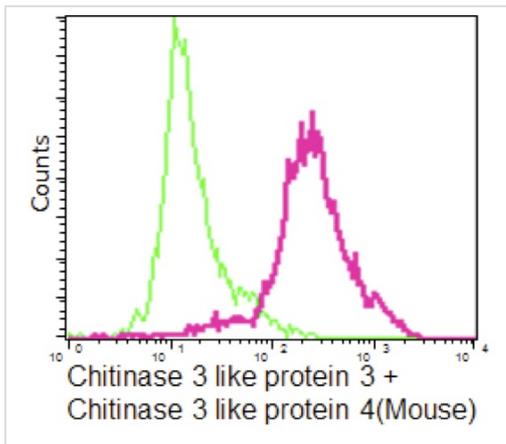
### Relevance

Chitinase 3 like protein 3: Lectin that binds saccharides with a free amino group, such as glucosamine or galactosamine. Binding to oligomeric saccharides is much stronger than binding to mono- or disaccharides. Also binds chitin and heparin. Has weak hexosaminidase activity but no chitinase activity. Has chemotactic activity for T-lymphocytes, bone marrow cells and eosinophils. May play a role in inflammation and allergy. Chitinase 3 like protein 4: Has low chemotactic activity for eosinophils. May play a role in inflammation and allergy. Has no chitinase activity.

### Cellular localization

Chitinase 3 like protein 3: Secreted. Rough endoplasmic reticulum lumen. Nucleus envelope. Cytoplasm. Cytoplasmic granule. Note: Predominantly localizes to the lumen of rough endoplasmic reticulum (rER) and nuclear envelope in alveolar macrophages. Localizes to the dilated lumen of rER in immature neutrophils in spleen and in cytoplasmic granules in peritoneal neutrophils. Detected in needle-shaped crystals present in the cytoplasm of bone marrow macrophages. Chitinase 3 like protein 4: Secreted. Cytoplasm. Note: Detected in the cytoplasm of keratinocytes.

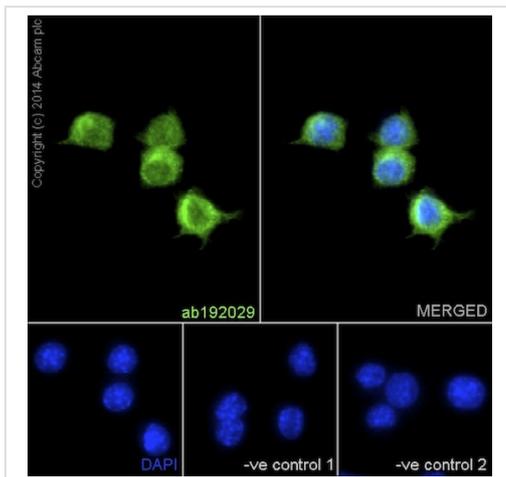
## Images



Flow Cytometry - Anti-Ym-1 + Ym-2 antibody  
[EPR15263] - BSA and Azide free (ab227110)

Flow Cytometrical analysis of paraformaldehyde-fixed C2C12 cells labeling Chitinase 3 like protein 3 + Chitinase 3 with [ab192029](#) at 1/200 compared to a negative control cell. FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

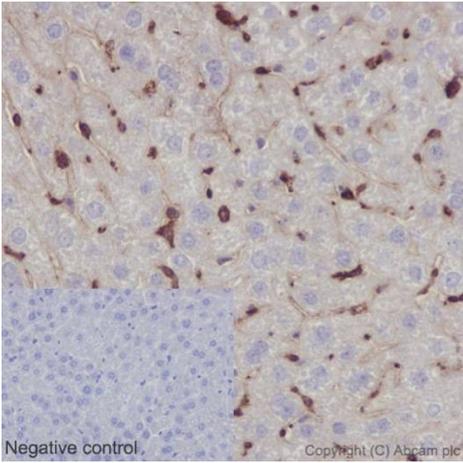
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab192029](#)).



Immunocytochemistry/ Immunofluorescence - Anti-Ym-1 + Ym-2 antibody [EPR15263] - BSA and Azide free (ab227110)

Immunofluorescent analysis of paraformaldehyde-fixed Raw264.7 cells labeling Chitinase 3 like protein 3 + Chitinase 3 like protein 4 with [ab192029](#) at 1/200, Goat anti rabbit IgG (Alexa Fluor® 555) at 1/200 ([ab150077](#)) and DAPI staining (blue). The two negative controls: 1. Primary ab concentration (anti-Chitinase 3 like protein 3 + Chitinase 3 like protein 4(Mouse) ) is 1/200 dilution, Secondary ab (Goat anti mouse IgG (Alexa Fluor®594)) is 1/500 dilution; 2. Primary ab concentration (anti-Chitinase 3 like protein 3 + Chitinase 3 like protein 4(Mouse) ) is 1/200 dilution, Secondary ab (Goat anti mouse IgG (Alexa Fluor®594)) is 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab192029](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ym-1 + Ym-2 antibody [EPR15263] - BSA and Azide free (ab227110)

This IHC data was generated using the same anti-Ym1/2 antibody clone, EPR15263, in a different buffer formulation (cat# [ab192029](#)).

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling Chitinase 3 like protein 3 + Chitinase 3 like protein 4 with [ab192029](#) at 1/500 with prediluted HRP polymer for Rabbit IgG as secondary antibody.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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

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