

# Anti-Mannose Receptor antibody [15-2] ab8918

★★★★★ [11 Abreviews](#) [71 References](#) [画像数 4](#)

### 製品の概要

製品名	Anti-Mannose Receptor antibody [15-2]
製品の詳細	Mouse monoclonal [15-2] to Mannose Receptor
由来種	Mouse
アプリケーション	<b>適用あり:</b> IHC-Fr <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Purified human mannose receptor from human placental tissue.
エピトープ	Stains extracellular domain of Mannose Receptor.
ポジティブ・コントロール	Macrophages IHC: liver endothelial cells and Kupffer cells, spermatids, spermatozoa
特記事項	<p>The Mannose Receptor (MR), a member of the vertebrate C-type lectin family, is a pattern recognition receptor that is involved in both innate and adaptive immunity. The 180 kDa transmembrane protein consists of 5 domains: an amino-terminal cysteine-rich region, a fibronectin type II repeat, a series of eight tandem lectin-like carbohydrate recognition domains (responsible for the recognition of mannose and fucose), a transmembrane domain, and an intracellular carboxy-terminal tail. The structure is shared by the family of multi lectin mannose receptors: the phospholipase A2-receptor, DEC 205 and the novel C-type lectin receptor (mannose receptor X). The MR recognises a wide range of gram positive and gram negative bacteria, yeasts, parasites and mycobacteria. The MR has also been shown to bind and internalize tissue-type plasminogen activator. MR's are present on monocytes and dendritic cells (DC) and are presumed to play a role in innate and adaptive immunity, the latter via processing by DC. The expression of MR as observed in immunohistology is present on tissue macrophages, dendritic cells, a subpopulation of endothelial cells, Kupffer cells and sperm cells.</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>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Constituents: PBS, 0.1% BSA
精製度	Protein G purified
特記事項 (精製)	0.2 µm filtered antibody solution
一次抗体 備考	The Mannose Receptor (MR), a member of the vertebrate C-type lectin family, is a pattern recognition receptor that is involved in both innate and adaptive immunity. The 180 kDa transmembrane protein consists of 5 domains: an amino-terminal cysteine-rich region, a fibronectin type II repeat, a series of eight tandem lectin-like carbohydrate recognition domains (responsible for the recognition of mannose and fucose), a transmembrane domain, and an intracellular carboxy-terminal tail. The structure is shared by the family of multi lectin mannose receptors: the phospholipase A2-receptor, DEC 205 and the novel C-type lectin receptor (mannose receptor X). The MR recognises a wide range of gram positive and gram negative bacteria, yeasts, parasites and mycobacteria. The MR has also been shown to bind and internalize tissue-type plasminogen activator. MR's are present on monocytes and dendritic cells (DC) and are presumed to play a role in innate and adaptive immunity, the latter via processing by DC. The expression of MR as observed in immunohistology is present on tissue macrophages, dendritic cells, a subpopulation of endothelial cells, Kupffer cells and sperm cells.
ポリ/モノ	モノクローナル
クローン名	15-2
ミエローマ	unknown
アイソタイプ	IgG1
軽鎖の種類	unknown

## アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab8918の使用に適用されます**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

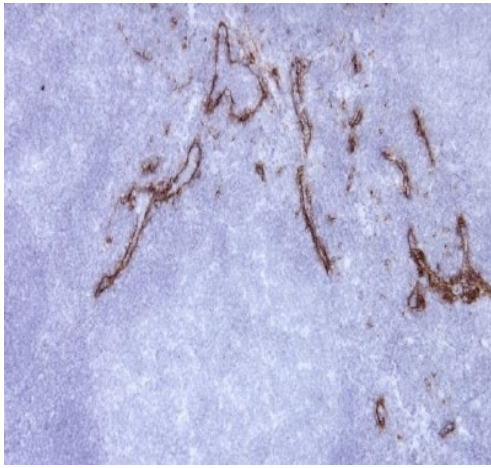
アプリケーション	Abreviews	特記事項
IHC-Fr	★★★★★ (6)	1/50.

**追加情報**      Is unsuitable for IHC-P.

## ターゲット情報

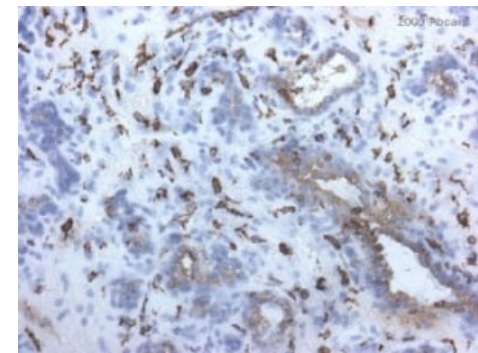
機能	Mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-sulfated polysaccharide chains. Acts as phagocytic receptor for bacteria, fungi and other pathogens.
配列類似性	Contains 8 C-type lectin domains. Contains 1 fibronectin type-II domain. Contains 1 ricin B-type lectin domain.
細胞内局在	Membrane.

## 画像



Immunohistochemistry (Frozen sections) - Anti-Mannose Receptor antibody [15-2] (ab8918)

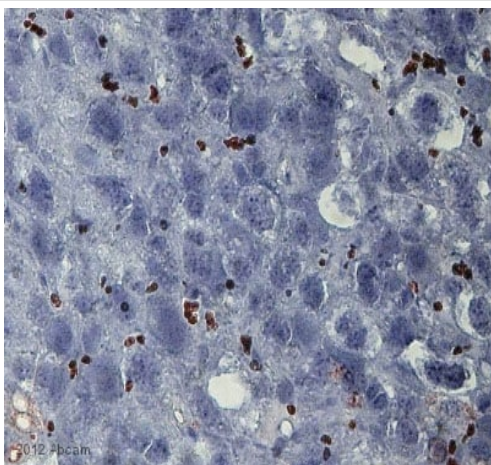
Frozen sections of human tonsil. ab8918 was used in a dilution of 1/25 and shows staining of endothelia of lymph vessels.



Immunohistochemistry (Frozen sections) - Anti-Mannose Receptor antibody [15-2] (ab8918)

This image is a courtesy of Pat Bell

ab8918 staining Mannose Receptor in human mammary gland tissue section by Immunohistochemistry (Frozen sections). Tissue samples were fixed with 70% Ethanol and blocking for 10 minutes at RT was performed. The sample was incubated with primary antibody (1/10) for 1 hour. A HRP-conjugated mouse polyclonal to mouse IgG was used undiluted as secondary antibody.

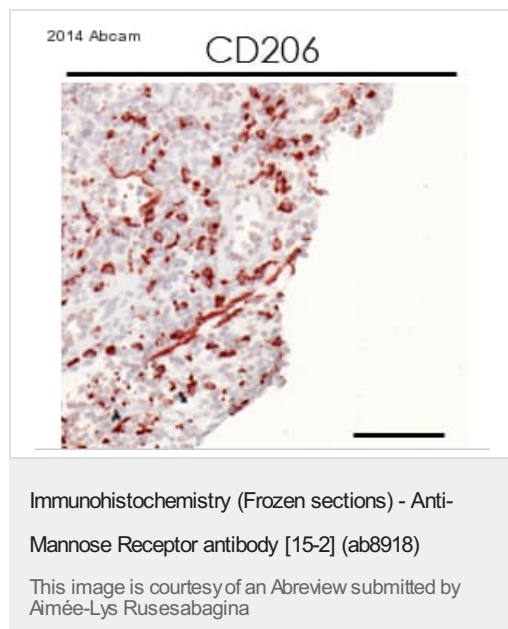


Immunohistochemistry (Frozen sections) - Anti-Mannose Receptor antibody [15-2] (ab8918)

This image is courtesy of an anonymous Abreview

Immunohistochemical analysis of murine uterus tissue sections, staining Mannose Receptor with ab8918.

Tissue was fixed with paraformaldehyde and blocked with 3% BSA for 30 minutes at room temperature. Samples were incubated with primary antibody (1/40 in 1% BSA) for 1.5 hours. An undiluted HRP-conjugated rabbit anti-mouse polyclonal IgG was used as the secondary antibody.



ab8918 staining Mannose Receptor in human endometriosis tissue sections by Immunohistochemistry (IHC-Fr - frozen sections). Tissue was fixed with acetone and blocked with 10% serum for 1 hour at 22°C. Samples were incubated with primary antibody (1/10 in PBS + 1% NGS) for 16 hours at 4°C. An undiluted HRP-conjugated goat anti-mouse IgG polyclonal was used as the secondary antibody.

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