


Anti-CD15 antibody [P12] ab3358

6 References

Overview

Product name	Anti-CD15 antibody [P12]
Description	Mouse monoclonal [P12] to CD15
Host species	Mouse
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	<p>Predicted to work with: Human </p>
Immunogen	Fresh (non-cultured) placenta cell preparation (Human).
Positive control	Human kidney tissue.
General notes	<p>Blood group related antigens represent a group of carbohydrate determinants carried on both glycolipids and glycoproteins. They are usually mucin-type, and are detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals. Sixteen genetically and biosynthetically distinct but inter-related specificities belong to this group of antigens, including A, B, H, Lewis a, Lewis b, Lewis x, Lewis y, and precursor type 1 chain antigens. This antibody belongs to the BG-7 group and detects the Lewis x (type 2 chain) blood-group antigen, which is expressed in gastrointestinal tumors, and lung cancers. It is found in crypt cells, which represent the proliferative compartment of the colonic mucosa, and strong homogeneous immunostaining is observed in most metastases and invasive cancer 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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer	Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Tissue culture supernatant
Primary antibody notes	Blood group related antigens represent a group of carbohydrate determinants carried on both glycolipids and glycoproteins. They are usually mucin-type, and are detected on erythrocytes, certain epithelial cells, and in secretions of certain individuals. Sixteen genetically and biosynthetically distinct but inter-related specificities belong to this group of antigens, including A, B, H, Lewis a, Lewis b, Lewis x, Lewis y, and precursor type 1 chain antigens. This antibody belongs to the BG-7 group and detects the Lewis x (type 2 chain) blood-group antigen, which is expressed in gastrointestinal tumors, and lung cancers. It is found in crypt cells, which represent the proliferative compartment of the colonic mucosa, and strong homogeneous immunostaining is observed in most metastases and invasive cancer cells.
Clonality	Monoclonal
Clone number	P12
Isotype	IgM

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab3358 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
IHC-P		1/40.
ICC/IF		1/200 - 1/400.

Target

Relevance	CD15 is a carbohydrate adhesion molecule (and not a protein) that mediates phagocytosis and chemotaxis. Synthesis is directed by FUT4 in lymphoid cells and mature granulocytes, and by FUT9 in promyelocytes and monocytes.
Cellular localization	Golgi Apparatus; Membrane-bound form in trans cisternae of Golgi.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors