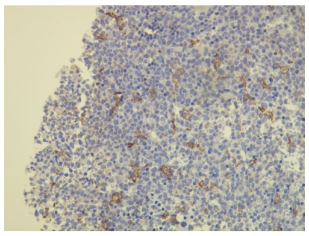
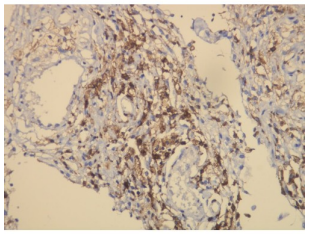
Scavenger Receptor Cysteine-Rich Type 1 Protein M130 (CD163) Antibody

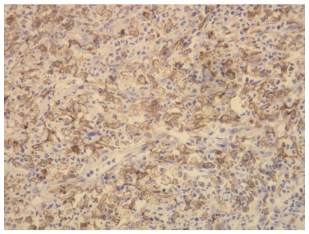
Catalogue No.:abx227086



IHC-P analysis showing CD163 expression in the macrophages of the bone marrow (4 µm section).



IHC-P analysis of the organizing stage of leukomalacia CD163-positive macrophages (4 µm section).



IHC-P analysis of CD163-positive macrophages in the abscess of the liver (4 µm section).

Scavenger Receptor Cysteine-Rich Type 1 Protein M130 (CD163) Antibody is a Rabbit Monoclonal antibody for the detection of CD163.

Target:	Scavenger Receptor Cysteine-Rich Type 1 Protein M130 (CD163)
Clonality:	Monoclonal
Clone:	B586
Reactivity:	Human
Tested Applications:	IHC
Host:	Rabbit

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Recommended dilutions: IHC-P: 1/100 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Synthetic peptide derived from the N-terminal region of human CD163.

Isotype: IgG

Form: Liquid

Purification: Purified from rabbit antiserum by proprietary techniques.

Storage: Store at 2-8°C.

UniProt Primary AC: Q86VB7 (UniProt, ExPASy)

Buffer: 20 mM Tris-HCl, pH 8.0, containing 20 mg/ml BSA and 0.05% NaN3.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com

Directions for use:

Suggested IHC-P Protocol

1. Preparation of Tris-EDTA Buffer (10 mM Tris Base, 1 mM EDTA solution, 0.05% Tween-20, pH 9.0): Mix 1.21 g Tris and 0.37 g EDTA and dissolve in 700 ml of distilled water. Adjust pH to 9.0 with 1 M HCl and then add 0.5 ml of Tween-20 and mix thoroughly. Adjust the final volume to 1 L with distilled water. Store this solution at room temperature for up to 3 months or at 4 °C for long-term storage.
2. Preparation of Wash Buffer: Use 0.05 M Tris-HCl, pH 7.6, containing 0.2% Tween-20.
3. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
4. Wash the section in 96%, 80% and 70% ethanol, 10 minutes each.
5. Rinse in distilled water.
6. Block endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H_2O_2) for 10 minutes.
7. Wash in distilled water for 5 minutes.
8. Antigen retrieval: immerse the slide in Tris-EDTA buffer, pH 9.0, and incubate in a water bath for 30-40 minutes at 96-98 °C.
9. Remove the slide from the water bath and allow to stand at room temperature (in Tris-EDTA buffer, pH 9.0) for 15 minutes.
10. Rinse in distilled water.
11. Wash in Wash Buffer for 5 minutes.
12. Incubate the section with primary antibody at 1/100 - 1/200 dilution for 1 hour in a closed wet chamber. It is recommended to use abx291502 Primary Antibody Diluent or a diluent containing protease-free BSA (≥ 1 mg/ml) to dilute this antibody.
13. Wash twice with Wash Buffer, 5 minutes each.
14. Add the secondary antibody and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). It is recommended to use abx291501 Rabbit and Mouse HRP/DAB Detection Kit.
15. Wash twice in Wash Buffer, 5 minutes each.
16. Apply the DAB chromagen for 1-3 minutes.
17. Rinse in water for 10 minutes.
18. Stain in hematoxylin for 5 minutes.
19. Wash in water for 10 minutes.
20. Dehydrate the section in 2 changes of 96% ethanol, 5 minutes each.
21. Wash the section in 2 changes of xylene, 2 minutes each.
22. Mount the slide for observation.

Abbexa LTD, Cambridge, UK · Phone: +44 (0) 1223 755950 · Fax: +44 (0) 1223 755951
Abbexa LLC, Houston, TX USA · Phone: +1 832 327 7413
Abbexa BV, Leiden, NL
Website: www.abbexa.com · Email: info@abbexa.com