

Datasheet for ABIN761396
anti-CD200 antibody (AA 41-140)[Go to Product page](#)**1** Validation**2** Images**1** Publication

Overview

Quantity:	100 µL
Target:	CD200
Binding Specificity:	AA 41-140
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD200 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD200
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	CD200
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Target Details

Alternative Name:	Cd200 (CD200 Products)
Background:	Synonyms: MRC, MOX1, MOX2, OX-2, OX-2 membrane glycoprotein, CD200, My033 Background: Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues.
Gene ID:	4345
UniProt:	P41217

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

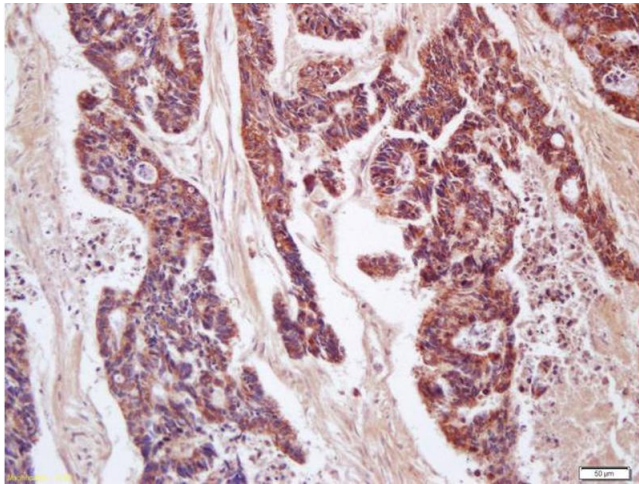
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Clark, Arredondo, Dhesy-Thind: "The CD200 tolerance-signaling molecule and its receptor, CD200R1, are expressed in human placental villus trophoblast and in peri-implant decidua by 5
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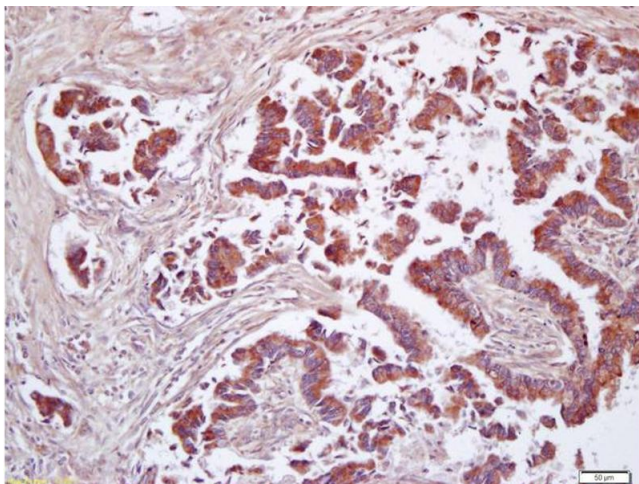
weeks' gestation." in: **Journal of reproductive immunology**, Vol. 112, pp. 20-3, (2015) ([PubMed](#)).

Validation report #101517 for Immunohistochemistry (IHC)



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-CD200/MOX1 Polyclonal Antibody, Unconjugated (ABIN761396) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-CD200/MOX1 Polyclonal Antibody, Unconjugated (ABIN761396) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Successfully validated (Immunohistochemistry (IHC))

by [Department of Pathology and Molecular Medicine, McMaster University](#)

Report Number: 101517

Date: Jul 11 2017

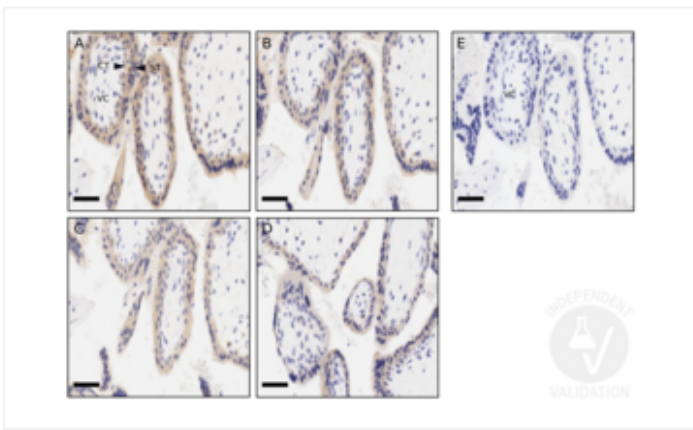
Target:	CD200
Lot Number:	AG06145442
Method validated:	Immunohistochemistry (IHC)
Positive Control:	Human 7 week normal karyotype elective termination placenta
Negative Control:	Placental villus from 7w gestation karyotype-normal pregnancy, stained with KLH antibody ABIN401183
Notes:	Passed. ABIN761396 specifically labels the CD200 in human placental tissue.
Primary Antibody:	ABIN761396
Secondary Antibody:	Bond Polymer Refine Detection kit (Leica, DS9800, lot 49232)
Protocol:	<ul style="list-style-type: none"> • Fix human placental tissue in 10% buffered formalin for 24h at RT. • Process and embed tissue in paraffin. • Cut paraffin blocks with a Leica CM2255 Microtome into 4µm sections. • Affix sections to positively charged slides and air dry ON at RT. • Dewax and hydrate the slides on an automated Leica BOND Rx stainer. • Antigen retrieval on the Leica BOND Rx automated stainer using epitope retrieval buffer 2 (Leica, AR9640, lot ER20172). • Stain slides with primary <ul style="list-style-type: none"> ◦ Rabbit anti-CD200 antibody (AA 45-95) antibody (antibodies-online, ABIN761396, lot 980502W), ◦ rabbit anti-CD200 Receptor 1-Like (CD200R1L) (AA 150-200) antibody(antibodies-online, ABIN1715098, lot 9A13M60), or ◦ rabbit anti-KLH antibody (antibodies-online, ABIN401183, lot 304770) • diluted 1:200 in Power Vision IHC Super Blocker (Leica, PV6122). The staining protocol incorporates a modified Leica standard protocol IHC-F (which omits the post-primary step) and uses the standard times outlined in the machine protocol. • Stain sections with Bond Polymer Refine Detection kit (Leica, DS9800, lot 49232) containing peroxidase block, post primary antibody, polymer as well as DAB chromogen and hematoxylin counterstain for times outlined in the standard protocol IHC-F. • Remove slides from the Leica Bond Rx and then dehydrate in ethanol and clear in xylene. • Mount slides in permount mounting medium (Fisher Scientific, SP15-500, lot 162767).

- After the slide-coverslip edges are dry, scan slides using Imagescope and photograph at 400x.

Experimental Notes:

- Several dilutions from 1:200 to 1:400 of ABIN761396 were tested and 1:200 was found to be optimal.
- The staining pattern of ABIN761396 matches our results with the rabbit anti-CD200 polyclonal antibody RB846 and observations made by others. It is also consistent with staining with the CD200R1L antibody [ABIN1715098](#)).

Image for Validation report #101517



Validation image no. 1 for anti-CD200 (CD200) (AA 41-140) antibody (ABIN761396)

Staining with ABIN761396 at dilutions 1:200, 1:250, 1:300, and 1:400 (A, B, C, and D) using a 7 week elective termination of a pregnancy that tested negative for trisomies ([Clark et al. \(2017\) Am. J. Reprod. Immunol.](#)). Optimal staining was obtained at 1:200 dilution. Anti-KLH control (E) at 1:200 was negative.