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Datasheet for ABIN3187966 anti-CD200 antibody (Internal Region)

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Overview

Quantity:	100 μL
Target:	CD200
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD200 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthesized peptide derived from the Internal region of human CD200 (aa 171-220)
lsotype:	lgG
Specificity:	CD200 Polyclonal Antibody detects endogenous levels of CD200 protein.
Characteristics:	Rabbit Polyclonal to CD200.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	CD200
Alternative Name:	CD200 (CD200 Products)

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Target Details	
Molecular Weight:	31 kDa
Gene ID:	4345
UniProt:	P41217
Application Details	
Application Notes:	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:20000,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Store at -20°C.
Publications	
Product cited in:	Clark, Reihani, Arredondo, Ask, Foster: "CD200S-positive granulated lymphoid cells in
	endometrium appear to be CD56-positive uterine NK cells." in: Journal of reproductive immunology, Vol. 150, pp. 103477, (2022) (PubMed).
	mmunology , vol. 150, pp. 103477, (2022) (Publyled).

Images

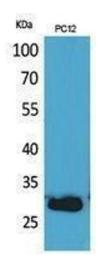
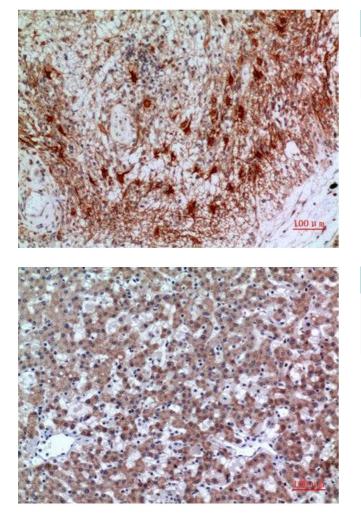




Image 1.



Immunohistochemistry

Image 2. Immunohistochemistry (IHC) analysis of paraffinembedded Human Brain, antibody was diluted at 1:100.

Immunohistochemistry

Image 3. Immunohistochemistry (IHC) analysis of paraffinembedded Human Liver, antibody was diluted at 1:100.

Please check the product details page for more images. Overall 5 images are available for ABIN3187966.

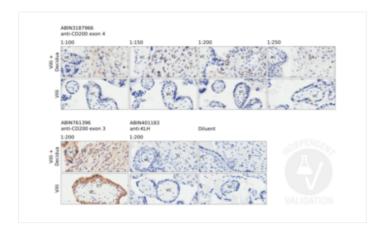
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NDEPENDEN	Successfully validated (Immunohistochemistry (IHC))
Д	by David A. Clark, Department of Medicine and Department of Pathology and Molecular
	Medicine, McMaster University
VALIDATION	Report Number: 103457
CUSTOMER VALIDATION	Date: Nov 30 2018
103457 30/11/18	
Target:	CD200
Lot Number:	6839401
Method validated:	Immunohistochemistry (IHC)
Positive Control:	Human 7 week elective termination placenta
Negative Control:	KLH antibody ABIN401183
	Diluent
Notes:	Passed. The CD200 antibody ABIN318966 specifically recognizes its antigen in human
	placental tissue.
Primary Antibody:	ABIN3187966
Secondary Antibody:	Bond Polymer Refine Detection kit (Leica, DS9800, lot 49232)
Protocol:	 Fix human placental tissue in 10% buffered formalin for 24h at RT (22-23°C), process, and embedded 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 the slides and hydrate on the automated Leica BOND Rx stainer.
	Antigen retrieval on a Leica BOND RX automated stainer using epitope retrieval buffer 2
	(Leica, AR9640, lot ER20172).
	Stain slides with primary
	 rabbit anti- CD200 antibody (AA 45-95) (Antibodies-online, ABIN761396, lot 980502W), rabbit anti-CD200 antibody (AA 170-220) (Antibodies-online, ABIN318966 lot 6839401) (AA 170-220), 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.

	SP15-500, lot 162767).	
	Once the slide-coverslip edges are dry, scan the slides using Leica Imagescope (40x) and	
	photograph into jpg files at 400x.	
Experimental Notes:	• Several dilutions of ABIN318966 were tested and optimal staining was obtained at a dilution as low as 1:200.	
	The staining pattern of ABIN318966 differs from our result using ABIN761396 which	
	matched RB846 and observations made by others. The result may be explainable by	
	ABIN318966 reacting with variants of CD200 which lack upstream exon 3 coded AA that are	
	eliminated along with exon 2 coded AA by alternative splicing so as to produce the truncated	
	form of CD200 (CD200tr). Removing exon 2 + some exon 3 coded AA may expose epitopes	
	in the downstream exon 3 + exon 4 region of CD200tr that are detected by antibody to the	
	170-220 AA region of CD200 that are in exon 4 of CD200 variant 1.	
	• ABIN761396 stained villus trophoblasts as described in Clark et al. (2017).	
	 ABIN761396 stained villus cytotrophoblasts and syncytiotrophoblasts but ABIN3187966 did not show convincing staining. 	

Image for Validation report #103457



Validation image no. 1 for anti-CD200 (CD200) (Internal Region) antibody (ABIN3187966)

Staining with ABIN318966 at dilutions 1:200, 1:150, 1:200, and 1:250 (two upper rows) using a 7 week elective termination of a missed abortion pregnancy. The upper panels show placental villus and associated decidual tissue, lower panels show staining of villi not associated with decidua. For comparison, tissue samples were stained with ABIN761396, anti-KLH antibody ABIN401183, and diluent alone without any antibody. Images were taken at 400x magnification. VC: placental villus core; T: trophoblast; CT: cytotrophoblast inner layer; ST: syncytiotrophoblast outer layer; DE: decidual epithelium; D: decidua.