

CD303 / CLEC4C; Clone CLEC4C/3400

(Concentrate)

Availability/Contents:	Item #	Volume
	RA0763-C.1	0.1 ml
	RA0763-C.5	0.5 ml
	RA0763-C1	1 ml

Description:

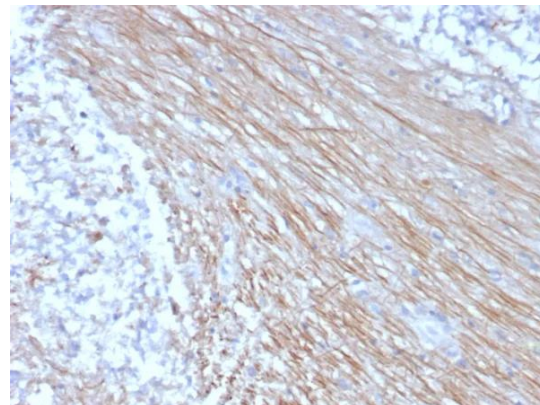
Species:	Mouse
Immunogen:	Recombinant fragment (around aa1-250) of human CLEC4C protein (exact sequence is proprietary)
Clone:	CLEC4C/3400
Isotype:	IgG1 / Kappa
Entrez Gene ID:	170482
Hu Chromosome Loc.:	12p13.31
Synonyms:	C-type lectin domain family 4 member C, Blood dendritic cell antigen 2, C-type lectin superfamily member 7, Dendritic lectin, BDCA2; Blood dendritic cell antigen 2; Blood dendritic cell antigen 2 protein; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 11; C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 7; C-type lectin domain family 4 member C; C-type lectin domain family 4, member C, isoform 1; Dendritic cell lectin b; Dendritic lectin; DLEC; HECL
Mol. Weight of Antigen:	25kDa
Format:	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	Recognizes a protein of 25kDa, identified as CD303.
Background:	Hyaluronic acid (HA) is a nonsulfated glycosaminoglycan that regulates cell adhesion and migration. HA effects are mediated through two receptors, CD44 (also designated HCAM) and the receptor of hyaluronic acid mediated motility (RHAMM). RHAMM, also designated intracellular hyaluronic acid binding protein (IHABP) and CD168, is a matrix receptor, which is linked to the plasma membrane by a GPI anchor and regulates cell motility. RHAMM expression is upregulated in malignant lymphoid tissues and is subsequently implicated in tumor progression and metastasis formation, as well as signal transduction. Although still unclear, RHAMM is thought to exist as several isoforms ranging in size. A variant isoform, designated v4, is a protein that when over-expressed, is thought to be the cause of transformation and metastasis formation in fibroblasts.
Species Reactivity:	Human
Positive Control:	Human lymph node, spleen or testis.
Cellular Localization:	Membrane
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 1-2µg/ml
Microbiological State:	This product is not sterile.

 Storage: 2° C  8° C


 ScyTek Laboratories, Inc.
 205 South 600 West
 Logan, UT 84321
 U.S.A.

Uses/Limitations:

- Not to be taken internally.
- For Research Use Only.
- This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- Do not use if reagent becomes cloudy.
- Do not use past expiration date.
- Non-Sterile.



Formalin-fixed, paraffin-embedded human placenta stained with CD303 / CLEC4C Mouse Monoclonal Antibody (CLEC4C/3400).

Ordering Information and Current Pricing at www.scytek.com

Procedure:

- Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Tris-EDTA Solution (10x) pH 9.0 (ScyTek catalog# TES500) or Citrate Plus (10x) HIER Solution (ScyTek catalog# CPL500).
- Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
- Visualization:** For maximum staining intensity we recommend the "UltraTek HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# UHP125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions:

- Contains Sodium Azide as a preservative (0.09% w/v).
- Do not pipette by mouth.
- Avoid contact of reagents and specimens with skin and mucous membranes.
- Avoid microbial contamination of reagents or increased nonspecific staining may occur.
- This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

- Zhong Q, Lu Y, Xu W, et al. The differentiation of new human CD303+Plasmacytoid dendritic cell subpopulations expressing CD205 and/or CD103 regulated by Non-Small-Cell lung cancer cells. *Int Immunopharmacol.* 2021;99:107983. doi:10.1016/j.intimp.2021.107983

Warranty:

No products or "Instructions For Use (IFU)" are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

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