

CD35 (EP197)

Rabbit anti-human CD35 Monoclonal Antibody (Clone EP197)

REFERENCES AND PRESENTATIONS¹

- **ready-to-use (manual or LabVision AutoStainer)**
MAD-000697QD-3
MAD-000697QD-7
MAD-000697QD-12
- **Ready-to-use (MD-Stainer)²**
MAD-000697QD-3/V
MAD-000697QD/V
- **concentrated**
MAD-000697Q - 1:50 recommended dilution

COMPOSITION

Anti-human CD35 rabbit monoclonal antibody purified from serum and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide

INTENDED USE : Immunohistochemistry (IHC) on paraffin embedded tissues. Not tested on frozen tissues or Western-Blotting

CLONE: EP197³

Ig ISOTYPE: Rabbit IgG

IMMUNOGEN: A synthetic peptide corresponding to residues of human CD35 protein.

SPECIES REACTIVITY: In vitro diagnostics in humans. Not tested in other species

DESCRIPTION AND APPLICATIONS: Anti-CD35, also named as erythrocyte complement receptor 1 (CR1), is a member of the complement activation (RCA) family and is located in the 'cluster RCA' region of chromosome 1. CD35 is considered a mature B-cell marker which labels follicular dendritic cells and tumors derived from, such as follicular dendritic cell tumor/sarcoma. CD35 antigen is found on erythrocytes, B cells, a subset of T cells, monocytes, as well as eosinophils, and neutrophils.

This antibody labels also the dendritic cells in tonsil and spleen and glomerular podocytes in kidney.

Staining with CD35 and CD23 or CD21 is helpful to more easily identify the morphology of follicular centers in order to verify if they are preserved, expanded or infiltrated by different lymphoproliferative disease such as MALT lymphomas and lymphomas of the follicular center. Other entities such as inflammatory fibrous polyps of the gastrointestinal tract are positive for CD35 in 100% of cases.

IHC POSITIVE CONTROL: Lymph Node, Tonsil

VISUALIZATION: Membranous

IHC RECOMMENDED PROCEDURE:

- 4µm thick section should be taken on charged slides; dry overnight at 60°C
- Deparaffinise, rehydrate and HIER (heat induced epitope retrieval) – boil tissue in the Pt Module using Vitro S.A EDTA buffer pH8⁴ for 20 min at 95°C. Upon completion rinse with 3-5 changes of distilled or deionised water followed by cooling at RT for 20 min
- Endogenous peroxidase block - Blocking for 10 minutes at room temperature using peroxidase solution (ref. MAD-021540Q-125)
- Primary antibody: incubate for 10 minutes [The antibody dilution (when concentrated) and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory]
- For detection use Master Polymer Plus Detection System (HRP) (DAB included; ref. MAD-000237QK)
- Counterstaining with haematoxylin and final mounting of the slide

STORAGE AND STABILITY:  Stored at 2-8°C. Do not freeze.  Once the packaging has been opened it can be stored until the expiration date of the reagent indicated on the label. If the reagent has been stored under other conditions to those indicated in this document, the user must first check its correct performance taking into account the product warranty is no longer valid.

WARNINGS AND PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.

¹ These references are for presentation in vials of Low Density Polyethylene (LDPE) dropper. In case the products are used in automated stainers, a special reference is assigned as follows:

- / L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).

- / N: Polygonal screw-cap vials (QD-3 / N, QD-7 / N, QD-12 / N).

For different presentations (references / volumes) please contact the supplier.

² For Technical specifications for MD-Stainer, please contact your distributor.

³ CD35 clone EP197 is manufactured using Epitomics's RabMAB® technology under U.S. Patent Nos. 5,675,063 and 7,402,409

⁴ Ref: MAD-004072R/D



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2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

SAFETY RECOMMENDATIONS

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at www.vitro.bio or can be requested at regulatory@vitro.bio.

BIBLIOGRAPHY

1. Domínguez-Malagón H, Cano-Valdez AM, Mosqueda-Taylor A, Hes O. Ann Diagn Pathol. 2004 Dec;8(6):325-32.
2. Biddle DA, Ro JY, Yoon GS, Yong YW, Ayala AG, Ordonez NG, Ro J. Mod Pathol. 2002 Jan;15(1):50-8.
3. Mathew JM; et al. Hybridoma, 1995, 14:29-35.

LABEL AND BOX SYMBOLS

Explanation of the symbols of the product label and box:

	Expiration date
	Temperature limit
	Manufacturer
	Sufficient content for <n> assays
	Catalog number
	Lot code
	Refer to the instructions of use
	Medical product for <i>in vitro</i> diagnosis.
	Material safety data sheet