Anti - CD57

Rabbit clonal antibody

CAT#

CONCENTRATED		READY TO USE (RTU)	
DB 216-0.1	(100 µl)	DB 216-RTU-7	(7 ml)
DB 216-0.2	(200 µl)	DB 216-RTU-15	(15 ml)
DB 216-0.5	(500 µl)		
DB 216-1	(1 ml)		

STORAGE AND APPLICATION

CONCENTRATED	READY TO USE (RTU)
Storage: +4˚C	**Storage:** +4˚C, Do not freeze!
Application: IHC-P, dilution 1:100 - 1:200	**Application:** IHC-P, ready to use

PRODUCT INFORMATION

Clone: E20-I
Buffer: 20 mM Tris-HCl, pH 8.0
Stabilizer: 20 mg/ml BSA
Preservative: 0.05% NaN_3

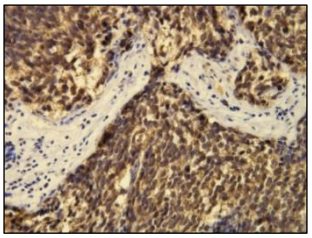
Specificity: Human, mouse, rat
Expiration: 24 months from the shipping date
Immunogen: Peptide derived from C-terminal sequence of human CD57. Antibody recognizes the epitope between Lys316 - Val332.

Cellular localization: Golgi apparatus membrane
Positive control: brain tissue
Protein accession number: Q9P2W7 (h); Q9CW73 (m); O35789 (r)

IHC-P PROTOCOL – INSTRUCTION MANUAL

1. Deparaffinize the section in 3 changes of xylene, 10 minutes each.
2. Wash the section in 96%, 80% and 70% ethyl alcohol for 10 minutes each.
3. Rinse in distilled water, 2 x 5 minutes.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H_2O_2) for 10 minutes.
5. Wash in distilled water, 2 x 5 minutes.
6. For antigen retrieval immerse the slide in citrate buffer, pH 6.0*, and incubate in water bath for 25-35 minutes at 96-98˚C.
7. Remove the staining to room temperature and let the slide to cool (in citrate buffer, pH 6.0) for 20 minutes.
8. Rinse in distilled water, 2 x 5 minutes.
9. Wash in PBS (**buffer A**), 2 x 5 minutes
10. **CONCENTRATED:**
    Incubate the section with primary antibody at the **dilution 1:100 - 1:200** for 1 hour in the closed wet chamber.
    READY TO USE (RTU):
    Incubate the section with primary antibody **(ready to use)** for 1 hour in a closed wet chamber.
11. Wash 3 x 5 minutes with buffer A.
12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). Micropolymer-HRP detection kit rabbit/mouse dual of DB Biotech is suggested (http://www.dbbiotech.com/products/detection-system.html).
13. Wash 3 x 5 minutes with buffer A.
14. Apply the chromogen (DAB), 1-3 minutes.
15. Wash in distilled water, 2 x 5 minutes.
16. Rinse in $CuSO_4.5H_2O$ solution /0,90g NaCl + 0,50g $CuSO_4.5$ H_2O in 100ml distilled water/
17. Wash in distilled water, 1 x 2 minutes.
18. Stain in hematoxylin for 5 minutes.
19. Wash in distilled water, 3 x 2 minutes.
20. Rinse in 37mM ammonium hydroxide solution.
21. Wash in distilled water, 1 x 2 minutes.
22. Mount the slide for observation.

* **Citrate Buffer (10mM Citric Acid, 0.05% Tween-20, pH 6.0):**
Citric acid (anhydrous) ---------- 1.92 g; Distilled water ---------- 1000 ml
Mix to dissolve in 700 ml of distilled water. Adjust pH to 6.0 with 1M NaOH and then add 0.5 ml of Tween-20 and mix well. Adjust the final volume to 1 liter with distilled water. Store this solution at room temperature for 3 months or at 4°C for longer storage.



Poorly differentiated human neuroblastoma tissue stained with anti-CD57 (DB 216) monospecific clonal antibody. Formalin fixed, paraffin embedded human tissue (4 µm section) stained according to related DB Biotech datasheet.

PRECAUTIONS

1. **We strongly recommend to use DB Primary Antibody Diluent (catalog number DB D-125, or DB D-250), eventually alternative diluent (containing protease free BSA at the concentrations ≥ 1mg/ml) for dilution of concentrated antibodies, otherwise the warranty might be voided.**
2. **Centrifuge the vial before use.**
3. Intended for professional In Vitro Diagnostic use in laboratories.
4. Do not use after expiration date stamped on vial label.
5. Avoid contamination of the reagent.
6. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results.
7. The reagent contains sodium azide (NaN_3) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous.
8. Disposal of waste material must be conducted in accordance with local regulations.
9. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.

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