

CD10 (DAK CD10)

Format	Catalog no.	Pack size	Dilution
Concentrated	GB 010 A,B,C	0.1,0.5 1.0 mL	1:100
Prediluted	GB 010 AA	6.0 mL	Ready to use

PRODUCT DESCRIPTION -

Early lymphoid progenitor cells and a tiny percentage of immature B cells in bone marrow exhibit the cell surface metallopeptidase CD10, which is eliminated as the cells mature. However, mature neutrophils and growing B cells re-express CD10. Burkitt lymphoma, follicular lymphoma, diffuse large B-cell lymphoma, and renal cell carcinoma clear cell type can all be classified with the help of the DAK-CD10 antibody.

INTENDED USE -

Intended for In Vitro Diagnostic Applications

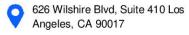
DAK-CD10 is a mouse monoclonal antibody that is intended for laboratory use in the qualitative identification of DAK-CD10 protein by immunohistochemistry (IHC) in formalin-fixed paraffin embedded (FFPE) human tissues. The clinical interpretation of any staining or its absence should be complemented by morphological studies using proper controls and should be evaluated within the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

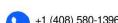
SUMMARY AND EXPLANATION -

Early lymphoid progenitor cells and a tiny percentage of immature B cells in bone marrow exhibit the cell surface metallopeptidase CD10, which is eliminated as the cells mature. However, mature neutrophils and growing B cells re-express CD10. Burkitt lymphoma, follicular lymphoma, diffuse large B-cell lymphoma, and renal cell carcinoma clear cell type can all be classified with the help of the DAK-CD10 antibody.

PRINCIPLE OF PROCEDURE -

This antibody product may be used as the primary antibody in immunohistochemistry of formalin-fixed, paraffin-embedded tissue sections. immunohistochemical (IHC) staining techniques allow for the visualization of antigens via the sequential application of a specific antibody to the antigen (primary antibody), a secondary antibody to the primary antibody (optional link antibody/probe), an enzyme complex and a chromogenic substrate with interposed washing steps. The enzymatic activation of the chromogen results in a visible reaction product at the antigen site.





info@genebiosolution.com



The specimen may then be counterstained, and cover slipped. Results are interpreted using a light microscope and aid in the differential diagnosis of pathophysiological processes, which may or may not be associated with a particular antigen.

SOURCE -: Mouse monoclonal

SPECIES REACTIVITY - Human; others not tested

CLONE- DAK-CD10

ISOTYPE- IgG1

PROTEIN CONCENTRATION - ~10 mg/ml.Call for lot specific Ig concentration.

EPITOPE/ANTIGEN - Synthetic peptide within the extracellular domain of human CD10.

CELLULAR LOCALISATION - Expressed on precursor B-cells, immature T-cells, renal tubular cells, and some epithelial cells in the lung and GI tract.

POSITIVE TISSUE CONTROL - Kidney (renal tubular epithelium), bone marrow (B-cell precursor), lymph node (germinal center), and certain carcinomas (e.g., endometrial, gastric).

KNOWN APPLICATIONS- Immunohistochemistry

30-40 min. At RT. Staining of formalin-fixed tissues requires heating tissue sections in between pH 7.4 - 9.0 for 45 min at 95°C followed by cooling at room temperature for 20 minutes.

SUPPLIED AS - Buffer with protein carrier and preservative

STORAGE AND STABILITY -

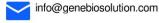
Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C

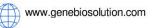
Materials required but not provided -

- 1) Positive tissue control Kidney (renal tubular epithelium), bone marrow (B-cell precursor), lymph node (germinal center), and certain carcinomas (e.g., endometrial, gastric).
- 2) Negative control tissue(internal or external)
- 3) Microscope slides and coverslips
- 4) Staining jars or baths



626 Wilshire Blvd, Suite 410 Los Angeles, CA 90017









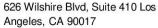
- 5) Timer
- 6) Xylene or xylene substitute
- 7) Ethanol or reagent alcohol
- 8) Deionized or distilled water
- 9) Heating equipment or enzyme for tissue pretreatment step
- 10) Detection system
- 11)Chromogen
- 12) Wash buffer
- 13)Hematoxylin
- 14) Antibody diluents
- 15)Peroxide block
- 16) Light microscope
- 17) Mounting medium

LIMITATIONS -

The optimum antibody dilution and protocols for a specific application can vary. These include, but are not limited to fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Genebio products. Ultimately, it is the responsibility of the investigator to determine optimal conditions.







info@genebiosolution.com