P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

CD10, CALLA (Neutral Endopeptidase); Clone 56C6 (Concentrate)

Availability/Contents:

Item #	Volume
A00091-C.1	0.1 ml
A00091-C	1 ml

Description:

Species:	Mouse
Immunogen:	Recombinant human CD10 protein fragment.
Clone:	56C6
Isotype:	IgG1, kappa
Entrez Gene ID:	4311
Hu Chromosome Loc.:	3q25.2
Synonyms:	Common acute lymphocytic leukemia antigen (CALLA), Neutral Endopeptidase (NEP), Atriopeptidase, Enkephalinase (EPN), gp100, Membrane metalloendopeptidase (MME), Neprilysin, Skin fibroblast elastase (SFE).
Mol. Weight of Antigen:	100kDa.
Format:	Tissue culture supernatant with 0.05% Sodium Azide.
Specificity:	Recognizes a 100kDa glycoprotein, identified as CD10, also known as Common Acute Lymphatic Leukemia Antigen (CALLA).
Background:	CD10 is a cell surface enzyme with neutral metalloendopeptidase activity, which inactivates a variety of biologically active peptides. CD10 is expressed on the cells of lymphoblastic, Burkitt's, and follicular germinal center lymphomas, and on cells from patients with chronic myelocytic leukemia (CML). It is also expressed on the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.
Species Reactivity:	Human, Rat. Others not tested.
Positive Control:	Kidney, small intestine, or tonsil.
Cellular Localization:	Cell Surface and Cytoplasmic.
Titer/ Working Dilution:	Immunohistochemistry (Formalin-fixed): 1:50 – 1:100
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.

CE IVD

EC REP
Emergo Europe
Prinsessegracht 20
2514 AP The Hague, The Netherlands

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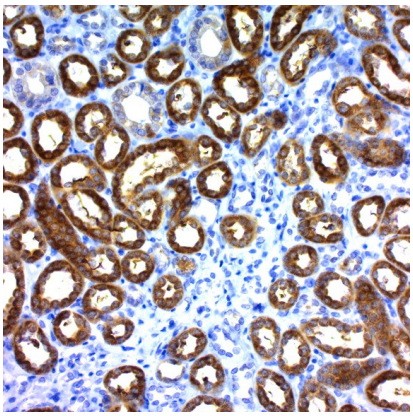
Uses/Limitations:

Not to be taken internally.
For In Vitro Diagnostic Use.
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.

Ordering Information and Current Pricing at www.scytek.com



Formalin-fixed, paraffin-embedded human kidney (200X) stained with CD10; Clone 56C6.

Procedure:

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with EDTA - Saline Buffer (10X Concentrate); pH 8.0 (ScyTek catalog# ETA500).

2. **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.

3. **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:

1. Deepa K, Munisekhar MS, Suri C, Rajalbandi SK, Pradeep MR, Gothe P. Comparision of Immunohistochemical Expression of CD10 in Odontogenic Cysts. Journal of clinical and diagnostic research: JCDR. 2014 Nov;8(11):ZC35.

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.

Storage: 2° C 8° C

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