


# Ornithine Decarboxylase-1 (ODC-1); Clone ODC1/485 (Concentrate)


**Availability/Contents:**


<u>Item #</u>	<u>Volume</u>
RA0252-C.5	0.5 ml

**Description:**

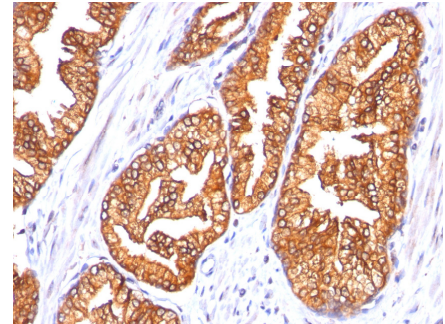
<p>Species:</p> <p>Immunogen:</p> <p>Clone:</p> <p>Isotype:</p> <p>Entrez Gene ID:</p> <p>Hu Chromosome Loc.:</p> <p>Synonyms:</p> <p>Mol. Weight of Antigen:</p> <p>Format:</p> <p>Specificity:</p> <p>Background:</p> <p>Species Reactivity:</p> <p>Positive Control:</p> <p>Cellular Localization:</p> <p>Titer/ Working Dilution:</p> <p>Microbiological State:</p>	<p>Mouse</p> <p>Recombinant human ODC-1 protein</p> <p>ODC1/485</p> <p>IgG1, kappa</p> <p>4953 (Human)</p> <p>2p25.1</p> <p>Ornithine decarboxylase structural 1; RNODC</p> <p>53kDa</p> <p>200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA &amp; 0.05% azide.</p> <p>Recognizes a 53kDa protein, identified as Ornithine Decarboxylase (ODC-1).</p> <p>ODC is the initial and rate-limiting enzyme in the biosynthetic pathway of polyamines and is involved in the conversion of ornithine to putrescine. The biological activity of ODC-1 is rapidly induced in response to virtually all agents known to promote cell proliferation including hormones, drugs, growth factors, mitogens, and tumor promoters. Reportedly, ODC mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. ODC activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.</p> <p>Human. Others not known.</p> <p>Epithelial cells in normal placenta or prostate carcinoma.</p> <p>Cytoplasmic</p> <p>Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml</p> <p>Flow Cytometry: 0.5-1 µg/million cells</p> <p>Immunofluorescence: 0.5-1 µg/ml</p> <p>Western Blotting: 0.5-1 µg/ml</p> <p>Immunoprecipitation: 0.5-1 µg/500µg protein lysate</p> <p>This product is not sterile.</p>
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 Storage: 2° C  8° C


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



 EmergoEurope (31)(0) 70 345-8570  
 Molsnstraat 15  
 2513 BH Hague, The Netherlands

**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 prostate carcinoma stained with ODC-1; Clone ODC1/485.

**Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)**

**Procedure:**

1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
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. Schipper RG; Rutten RG; Sauerbeck M; Schielen WJ; Adams PJ; Kopitz J; Bohley P; Tesser GI; Verhofstad AA. Preparation and characterization of monoclonal antibodies against ornithine decarboxylase. Journal of Immunological Methods, 1993, 161(2):205-15.

**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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