SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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

Tumor Endothelial Marker 8 (TEM8) / Anthrax Toxin Receptor 1; Clone TEM8/589 (Concentrate)

Availability/Contents:

Item #	**Volume**
RA0365-C.5	0.5 ml

Description:

Species:	Mouse
Immunogen:	Recombinant human TEM8 protein
Clone:	TEM8/589
Isotype:	IgG1, kappa
Entrez Gene ID:	84168 (Human)
Hu Chromosome Loc.:	2p13.1
Synonyms:	Anthrax toxin receptor 1 (ANTXR1); ATR; Tumor Endothelial Marker 8 (TEM8)
Mol. Weight of Antigen:	~63kDa
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	This antibody recognizes a protein of ~63kDa, identified as Tumor Endothelial Marker 8 (TEM8).
Background:	TEM8 is a type I transmembrane protein and is a tumor-specific endothelial marker that has been implicated in colorectal cancer. Three alternatively spliced variants that encode different protein isoforms have been described. The encoded protein has also been shown to be a docking protein or receptor for Bacillus anthracis toxin, the causative agent of the disease anthrax. The binding of the protective antigen (PA) component of the tripartite anthrax toxin to this receptor protein mediates delivery of toxin components to the cytosol of cells. Once inside the cell, the other two components of the anthrax toxin, edema factor (EF) and lethal factor (LF), disrupt normal cellular processes.
Species Reactivity:	Human, Non-human Primates, Dog, and Rabbit. Others not known.
Positive Control:	P23 cells. Colon or breast carcinoma.
Cellular Localization:	Cell surface
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml
	Flow Cytometry: 0.5-1 µg/million cells
	Immunofluorescence: 0.5-1 µg/ml
	Western Blotting: 0.5-1 µg/ml
	Immunoprecipitation: 0.5-1 µg/500µg protein lysate
Microbiological State:	This product is not sterile.

Storage: 2° C 8° C

ScyTek Laboratories, Inc.
205 South 600 West
Logan, UT 84321
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EC REP EmergoEurope (31)(0) 70 345-8570
Molsnstraat 15
2513 BH Hague, The Netherlands

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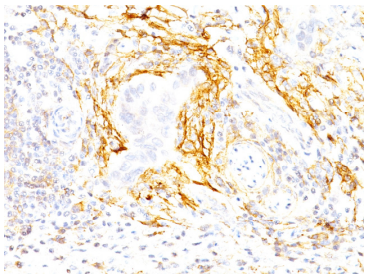
Uses/Limitations:

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 colon carcinoma stained with TEM8; Clone TEM8/589.

Ordering Information and Current Pricing at 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. St. Croix, B., et al. 2000. Genes expressed in human tumor endothelium. Science 289: 1197-1202.
2. Bradley, K.A., et al. 2001. Identification of the cellular receptor for anthrax toxin. Nature 414: 225-229.
3. Carson-Walter, E.B., et al. 2001. Cell surface tumor endothelial markers are conserved in mice and humans. Cancer Res. 61: 6649-6655.

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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