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

Plasma Cell Marker; Clone LIV3G11 (7B18)
(Concentrate)

Availability/Contents:

Item #	Volume
RA0398-C.5	0.5 ml

Description:

Species:	Mouse
Immunogen:	Pancreatic cancer-related mucin
Clone:	LIV3G11; same as 7B18
Isotype:	IgG2a
Entrez Gene ID:	Not Known
Hu Chromosome Loc.:	Not Known
Synonyms:	Plasma B cell, Plasmocytes
Mol. Weight of Antigen:	Not Known
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 an intra-cytoplasmic antigen, which shows a very high degree of specificity for plasma cells. This antigen is present in normal as well as neoplastic plasma cells.
Background:	Plasma cells, which are large lymphocytes derived from an antigen-specific B-cell, secrete antibodies and are responsible for humoral immunity. Plasma cells differentiate from B-cells upon stimulation by CD4+ lymphocytes. Plasma cells contain basophilic cytoplasm; their nucleus contains heterochromatin organized in a characteristic cartwheel arrangement. This antibody superbly recognizes normal and neoplastic plasma cells in routine formalin-fixed, paraffin-embedded tissue sections. It is of potential value in identifying myeloma or plasmacytoma in bone marrow or other tissues. It also helps differentiate lympho-plasmacytoid lymphoma from lymphocytic and follicular lymphoma. Note that this antibody is not suitable for staining frozen tissues.
Species Reactivity:	Human. Does not react with Rat. Others not known.
Positive Control:	Tonsil or lymph node.
Cellular Localization:	Cytoplasmic
Titer/ Working Dilution:	Immunohistochemistry (Formalin-fixed only): 0.5-1 µg/ml
Microbiological State:	This product is not sterile.

Storage: 2° C 8° C

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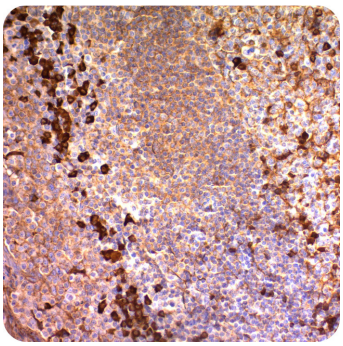
Uses/Limitations:

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 human tonsil (20X) stained with Plasma Cell Marker; Clone LIV3G11.

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by digestion with Trypsin (Two Component Solution) (ScyTek catalog# TSS).

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. Turley H, Jones M, Erber W, et al.. Journal of Clinical Pathology. 47: 418–422 (1994).
2. Ching CK and Rhodes JM. 1998. Gastroenterology; 95: 137-42.
3. Ching CK and Rhodes JM. 1990. In J Cancer. 45: 1022-7.

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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