


# IgM (Immunoglobulin Mu Heavy Chain) (B-Cell Marker); Clone IM260 & ICO-30 (Concentrate)

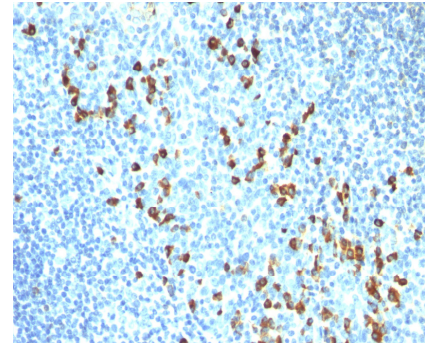
|                               |  |                               |  |
|-------------------------------|--|-------------------------------|--|
| <b>Availability/Contents:</b> | <u>Item #</u>  | <u>Volume</u>                 |  |
|                               | RA0147-C.5   | 0.5 ml                        |  |
| <b>Description:</b>           |  |                               |  |
| Species:                      | Mouse  |                               |  |
| Immunogen:                    | Recombinant heavy chain of human IgM (IM260); Heavy chain of human IgM (ICO-30)  |                               |  |
| Clone:                        | IM260 & ICO-30   |                               |  |
| Isotype:                      | IgG1, kappa (IM260 & ICO-30)   |                               |  |
| Entrez Gene ID:               | 3507 (Human)   |                               |  |
| Hu Chromosome Loc.:           | 14q32.33   |                               |  |
| Synonyms:                     | AGM1; IGHM; Constant Region of Heavy Chain of IgM; Ig Mu Chain C Region  |                               |  |
| Mol. Weight of Antigen:       | 50-75kDa   |                               |  |
| Format:                       | 200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide.  |                               |  |
| Specificity:                  | Recognizes a protein of 75kDa, identified as the mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD) heavy chains, T-cells, monocytes, granulocytes, or erythrocytes.  |                               |  |
| Background:                   | This monoclonal antibody is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant. |                               |  |
| Species Reactivity:           | Human. Others not known.   |                               |  |
| Positive Control:             | 293T, Raji or hPBL cells. Tonsil or spleen.  |                               |  |
| Cellular Localization:        | Cytoplasm, Cell Surface and Secreted   |                               |  |
| 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  
 U.S.A.

**CE**  
 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 tonsil stained with IgM; Clone IM260 & ICO-30.

**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. Maruyama S, et. al. Activation of human B cells and inhibition of their terminal differentiation by monoclonal anti-mu antibodies. Journal of Immunology 1985; 135(1):192-9.
2. Rudich SM, et. al. Human B cell activation. Evidence for diverse signals provided by various monoclonal anti-IgM antibodies. Journal of Experimental Medicine, 1985; 162(4):1236-55.
3. Baryshnikov Alu. Gematol Transfuziol. 1990;35(8):4-7.

**Warranty:**


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