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Datasheet for ABIN4953370

## Recombinant anti-IGHG antibody

### 4 Images

#### Overview

|                |   |
|----------------|---|
| Quantity:      | 100 µg  |
| Target:        | IGHG  |
| Reactivity:    | Human   |
| Host:          | Rabbit  |
| Antibody Type: | Recombinant Antibody  |
| Clonality:     | Monoclonal  |
| Conjugate:     | This IGHG antibody is un-conjugated   |
| Application:   | Immunohistochemistry (IHC), Flow Cytometry (FACS), ELISA, Immunocytochemistry (ICC) |

#### Product Details

|                  |  |
|------------------|--|
| Immunogen:       | Human IgG was used as the immunogen for this recombinant Human IgG antibody.   |
| Clone:           | RM116  |
| Isotype:         | IgG  |
| Characteristics: | This recombinant Human IgG antibody reacts to the Fc region of all gamma heavy chains of human immunoglobulins, including G1, G2, G3, and G4. No cross reactivity with other human heavy chains or mouse/rat/goat IgG. |
| Purification:    | Protein A purified from animal origin-free supernatant   |

#### Target Details

|         |      |
|---------|------|
| Target: | IGHG |
|---------|------|

## Target Details

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|                   |  |
|-------------------|--|
| Alternative Name: | <a href="#">Gamma Heavy Chain (IGHG Products)</a>  |
| Background:       | This recombinant Human IgG antibody reacts to the Fc region of all gamma heavy chains of human immunoglobulins, including G1, G2, G3, and G4. No cross reactivity with other human heavy chains or mouse/rat/goat IgG. |
| Gene ID:          | 3500, 3501, 3502   |
| UniProt:          | <a href="#">P01857</a> , <a href="#">P01859</a> , <a href="#">P01860</a> , <a href="#">P01861</a>  |

## Application Details

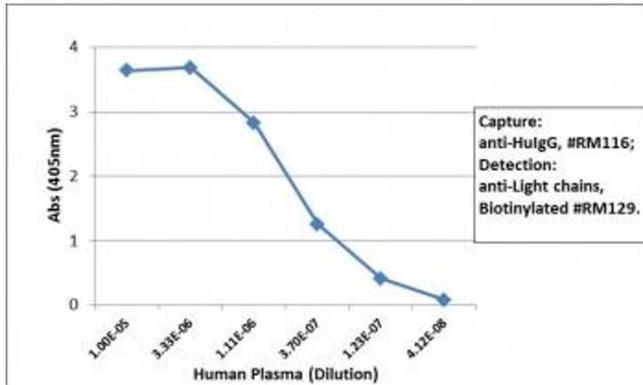
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|                    |  |
|--------------------|--|
| Application Notes: | <p>The stated application concentrations are suggested starting points. Titration of the recombinant Human IgG antibody may be required due to differences in protocols and secondary/substrate sensitivity.</p> <p>1. A pH 6 Citrate buffer or pH 9 Tris/EDTA buffer HIER step is recommended for testing of FFPE tissue sections.\. ELISA: 50 ng/well - 200 ng/well (Capture), 0.05-0.2 µg/mL (Detection),Immunocytochemistry: 0.5-2 µg/mL,Immunohistochemistry: 0.5-2 µg/mL (1)</p> |
| Restrictions:      | For Research Use only  |

## Handling

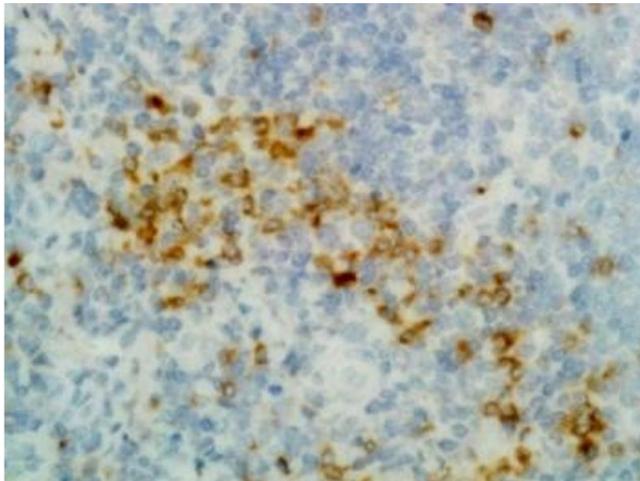
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|                    |  |
|--------------------|--|
| Buffer:            | 1 mg/mL in PBS with 50 % glycerol, 1 % BSA and 0.09 % sodium azide   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store the recombinant Human IgG antibody at -20°C (with glycerol) or aliquot and store at -20°C (without glycerol).    |



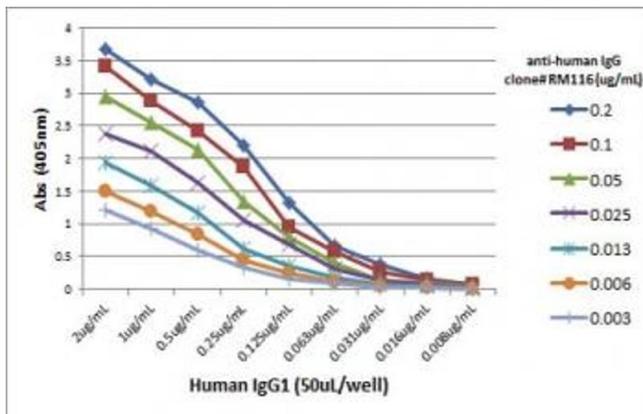
### ELISA

**Image 1.** Sandwich ELISA of human plasma using the recombinant Human IgG antibody (clone RM116) as the capture (100ng/well), and biotinylated human light chains (kappa+ , lambda) antibody (clone RM129) as the detect (1ug/mL), followed by an alkaline phosphatase conjugated streptavidin.



### Immunohistochemistry

**Image 2.** IHC testing of FFPE human tonsil with recombinant Human IgG antibody.



### ELISA

**Image 3.** ELISA Titration: the plate was coated with different amounts of human IgG1. A serial dilution of the recombinant Human IgG antibody was used as the primary and an alkaline phosphatase conjugated anti-rabbit IgG as the secondary.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN4953370.