

## IgG Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50183

Clone# BP6161

**Predicted Molecular Wt:** 36kD

**Species Cross-reactivity:** Human

**Applications:** IHC-P

**Purity:** ProA affinity purified IgG

**Form:** Liquid

**Swissprot ID:** P55899

### Background:

Immunoglobulin G (IgG) is an antibody isotype secreted by plasma cells and composed of four peptide chains – two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. In humans, IgG consists of four subclasses that differ only marginally in their amino acid composition. Representing approximately 75% of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. Anti-IgG had been proven useful in the assessment of renal biopsies, autoimmune disorders, in the identification of plasma cell neoplasms and in non-Hodgkin lymphomas. The ratio of IgG4+ plasma cells to IgG+ plasma cells has been considered important in making a diagnosis of IgG4-related disorders.

### Subcellular location:

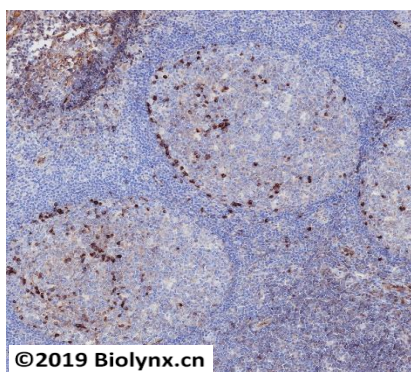
Cytoplasm

### Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Full length native protein (purified) corresponding to Human Human IgG.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of human tonsil tissue labelling IgG with BP6161. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage conditions:

-25°C to -18°C

### Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Leong AS, et al. Geenwich Medical Media Ltd. 1999; 217-219.
2. Ando K, et al. Intern Med. 2000; 39:170-5.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.