

# Human IgG, intact



**Catalog No.** P80-205  
**Size** 100 mg

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## Conditions

Storage: 2 - 8<sup>o</sup> C

Concentration: 1 mg/ml

Physical State: Liquid

Buffer: Phosphate Buffered Saline, pH 7.2

Preservative: 0.1% Sodium Azide

Shelf life: 1 year from date of receipt

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## Production Procedures

Purified normal human IgG is isolated using fractionation and DEAE chromatography.

Protein concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

By immunoelectrophoresis the IgG was shown to 1) react with antiserum specific for human IgG and light chains, 2) not react with antiserum specific for other immunoglobulin classes (IgA, IgM, IgD, IgE), and 3) produce a single precipitin arc with antiserum against human serum identical to that produced with anti-IgG.

By ELISA the IgG contains less than 0.1% of the other immunoglobulin classes.

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## Notes

Country of Origin: USA

For use in Research and Manufacturing only; not for use in diagnostic applications.

## Applications

Used as a positive control in immunoassays. Optimal working dilutions should be determined experimentally by the investigator.

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## Related Products

Human IgG-Fc	P80-104
Human IgG/Lambda	P80-112
Human Fab/Kappa	P80-115
Human Fab/Lambda	P80-116
Human Bence Jones Kappa	P80-126
Human Bence Jones Lambda	P80-127

**Serum or plasma from donor has been tested and found negative for HIV-1 antigen, antibodies for HIV and HCV and non-reactive for HBsAg. HANDLE AS IF CAPABLE OF TRANSMITTING INFECTIOUS AGENTS.**

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## MATERIAL SAFETY DATA SHEET

### Contents Description

This product contains purified human IgG in phosphate buffered saline with 0.1% Sodium Azide.

### Hazardous Ingredients

Human IgG - No known toxicity for this biological material. Serum or plasma from donor has been tested and found negative for HIV-1 antigen, antibodies for HIV and HCV and non-reactive for HBsAg. HANDLE AS IF CAPABLE OF TRANSMITTING INFECTIOUS AGENTS.

Sodium Azide ( $\text{NaN}_3$ ) - AZIDE FORMS EXPLOSIVE CHEMICAL COMPOUNDS WITH LEAD AND COPPER PLUMBING. CARE MUST BE TAKEN TO WASH WASTE DOWN DRAINS WITH LARGE VOLUMES OF WATER.

LD50 oral mouse - 27 mg/kg.

Wash all affected areas with large volumes of water and if swallowed consult your physician immediately.

The above information is believed to be correct but does not purport to be all inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.