

# Human IgG Isotype Control

Catalog NumberGWB-2CF422  
Legacy ID26-787-278069  
Size  
1.0 mg



## Description

**Isotype:** IgG

**Characterization:** To ensure lot-to-lot consistency, each batch of product is tested by ELISA and immunoelectrophoresis to conform with characteristics of a standard reference reagent. In accordance with current Good Manufacturing and Good Laboratory Practices (cGMP/cGLP), any protein of human blood origin should be handled pursuant to your organization\'s documented safety procedures and as if it is capable of transmitting infection. This product has NOT been tested for viral, bacterial, or other infectious agents such as, but not limited to, HIV, HbsAg, HCV. **Working Dilution:** Optimal dilutions for use of this product vary according to specific applications and should be determined by the individual investigator.

**Warning:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing. **Subcellular Location:** Secreted.

**Disease:** Chromosomal aberrations involving IGHG1 may be a cause of multiple myeloma [MIM:254500]. Translocation t(11;14)(q13;q32) with CCND1; translocation t(4;14)(p16.3;q32.3) with FGFR3; translocation t(6;14)(p25;q32) with IRF4.

**Miscellaneous:** Nie has the G1M(17) allotypic marker, 97-K, and the G1M(1) markers, 239-D and 241-L. KOL and EU sequences have the G1M(3) marker and the G1M (non-1) markers.

**Miscellaneous:** Nie also differs in the amidation states of 35, 116, 198, 269 and 272.

**Miscellaneous:** EU also differs in the amidation states of residues 155, 166, 177, 195, 198, 269, and 272 and in the order of residues 268-272.

**Miscellaneous:** KOL also differs in the amidation states of residues 198, 267 and 272.

## Additional Information

Name	Human IgG Isotype Control
Related Product Names	Human IgG-UNLB; N/A Human IgG Isotype ControlIGHG1
Intended Use	Research Use Only
Purity	>95% as judged by SDS-polyacrylamide gel electrophoresis
Format	Purified (UNLB) IgG
Clonality	Polyclonal
Storage	The purified (UNLB) IgG is provided at a concentration of 0.5 mg/mL in 1.0 mL of 100 mM borate buffered saline, pH 8.0. No preservatives or amine-containing buffer salts added. The human IgG solution has been centrifuged and passed through a 0.22 u filter
Molecular Weight	36106
Swiss Prot Number	P01857
Applications	ELISA, SDS-PAGE and IB