

## Native Human IgG Fc Fragment, Low Endotoxin

<b>Catalog No.</b>	CSI11982A	<b>Quantity:</b>	1.0 mg
	CSI11982B		10 mg

**Alternate Names:** Fragment crystallizable region, Fragment constant region

**Description:** Historically, partial proteolysis was used to dissect the functional regions of immunoglobulin molecules. Digestion of IgG with papain cleaves each heavy (H) chain at the amino-terminal side of the inter-H chain disulfide linkages, thereby releasing two antibody fragments, termed Fab and an Fc fragment, consisting of paired carboxy-terminal CH domains. The Fc fragment binds to Fc receptors on immune cells and is responsible for diverse effector functions, including antibody-dependent cytotoxicity (ADCC), opsonization, and complement fixation.

**Source:** Human plasma

**Molecular Weight:** 50 kDa

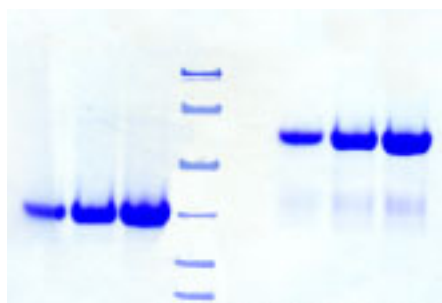
**Purity:**  $\geq 95\%$  by SDS-PAGE  
No reaction to anti-human Fab by IEP

**Formulation:** 50 mM Tris-HCl, pH 8.0, containing 200 mM NaCl and 0.05% NaN<sub>3</sub>

**Extinction Coefficient:** 1.35

**Storage & Stability:** Store at -20°C to -80°C for at least 1 year. Upon initial thaw, prepare aliquots and freeze. **Avoid repeated freeze/thaw cycles.**

**Infectious Disease Statement:** Negative or non-reactive at the donor level for anti HIV 1 and 2, anti HCV, HBsAg, HCV NAT, HIV-1 NAT, and syphilis by FDA approved methods.



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