

## IgG Fc fragment Native Protein

Rat IgG Fc fragment

|                              |                                                   |                                            |
|------------------------------|---------------------------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA81645</b> | HOST<br><b>Rat serum IgG digested with papain</b> | APPLICATIONS<br><b>Western Blot, ELISA</b> |
|------------------------------|---------------------------------------------------|--------------------------------------------|

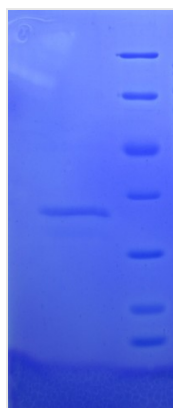
### PRODUCT SYNONYMS

IgG Fc fragment; Rat IgG Fc fragment; fragment crystallizable region; IgG Fc fragment native protein

### PRODUCT SPECIFICATIONS

|                                                            |                                                                                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Host                                                       | Rat serum IgG digested with papain                                                      |
| Purity/Purification                                        | Greater or equal to 85% purity as determined by SDS-PAGE.                               |
| Form/Format                                                | Liquid                                                                                  |
| Applicable Applications for IgG Fc fragment native protein | WB (Western Blot), ELISA                                                                |
| Storage Buffer                                             | PBS                                                                                     |
| Preparation and Storage                                    | Aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze / thaw cycles. |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

#### Related Product Information for IgG Fc fragment native protein

The fragment crystallizable region (Fc region) is the tail region of an antibody that interacts with cell surface receptors called Fc receptors and some proteins of the complement system. This property allows antibodies to activate the immune system. In IgG, IgA and IgD antibody isotypes, the Fc region is composed of two identical protein fragments, derived from the second and third constant domains of the antibody's two heavy chains; IgM and IgE Fc regions contain three heavy chain constant domains (CH domains 2-4) in each polypeptide chain. The Fc regions of IgGs bear a highly conserved N-glycosylation site. Glycosylation of the Fc fragment is essential for Fc receptor-mediated activity. The N-glycans attached to this site are predominantly core-fucosylated diantennary structures of the complex type. In addition, small amounts of these N-glycans also bear bisecting GlcNAc and alpha-2,6 linked sialic acid residues. The other part of an antibody, called the Fab region, contains variable sections that define the specific target that the antibody can bind. By contrast, the Fc region of all antibodies in a class are the same for each species; they are constant rather than variable. The Fc region is, therefore, sometimes incorrectly termed the "fragment constant region".

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-native-protein/igg-fc-fragment/81645>