

## 32-8762: Recombinant Rat IgG2A Fc/Igg-2a(Discontinued)

**Gene :** Igg-2a  
**Uniprot ID :** P20760

### Description

Source: Human Cells.  
MW :35.2kD.

Recombinant Rat Immunoglobulin G2A Fc is produced by our Mammalian expression system and the target gene encoding Val98-Lys322 is expressed. Immunoglobulin G (IgG) is a type of antibody composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. There are four IgG subclasses (IgG1, 2, 3, and 4) in humans, named in order of their abundance in serum. The IgG2a isotype was able to interact very efficiently with FcγR, and share approximately 64-78% amino acid sequence identity with IgG1 and IgG2b in the heavy chain constant region domains, CH1, CH2 and CH3, which cause the difference in the interaction with complement, NK and mast cells, induction or inhibition by specific cytokines, and ability to cross the placenta.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, pH 8.5.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** VPRECNPGCTGSEVSSVFIFPPKTKDVLITLTPKVTCVVVDISQNDPEVRFVSWFIDDVEVHTAQTHAPEKQSN  
STLRSVSELPIVHRDWLNGKTFKCKVNSGAFPAPIEKISIKPEGTPRGPQVYTMAPPKEEMTQSQVSITCMVKGF  
YPPDIYTEWKMNGQPQENYKNTPTMDTDGSYFLYSLKLVKKTWQQGNTFTCSVLHEGLHNHHTKSLSHS  
PGK

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.