

## Monoclonal Antibody to Human IgG2 (Fc specific) - PE

**Alternate names:** Human Immunoglobulin G2

**Catalog No.:** AM08152RP-N

**Quantity:** 0.1 mg

**Concentration:** 0.1 mg/ml

**Background:** There are four IgG subclasses (IgG1, 2, 3 and 4) in Humans, named in order of their abundance in serum (IgG1 being the most abundant). IgG2 is the only IgG subclass which passes through the placenta at a level generally lower than that found in the mother. A deficiency of IgG2 indicates a poor antibody response to bacterial polysaccharides and can lead to increased susceptibility to infections caused by encapsulated bacteria.

**Host / Isotype:** Mouse / IgG1

**Clone:** 31-7-4

**Format:** **State:** Liquid Ig fraction.  
**Buffer System:** PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent.  
**Label:** PE – R-Phycoerythrin

**Applications:** **ELISA.**  
**Immunofluorescence** < / = 0.2 µg/10e6 cells.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** This antibody reacts with the Fc portion of the heavy chain of Human IgG2 as demonstrated by ELISA.

**Species Reactivity:** **Tested:** Human.

**Storage:** Store the antibody undiluted at 2-8°C.  
**DO NOT FREEZE!**  
This product is photosensitive and should be protected from light.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.