

# anti-human IgG

## Monoclonal Antibody CH1 to IgG (Human)

**Cat-No:** 21389811

100 µg in 100 µl

**Clone:** CH1

**Specificity:** The antibody CH1 reacts with Fab fragment of human IgG.

**Isotype subclass:** Mouse IgG1

**Purity:** > 95% (by SDS-PAGE)

**Form:** Purified from ascites by precipitation methods followed by ion exchange chromatography.

**Appearance:** Clear colourless solution.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS, pH 7.2, containing 0.09% sodium azide.

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Application:** ELISA

**Background:** Immunoglobulin G (**IgG**) is a 150 kDa soluble protein that serves as a major effector molecule of the humoral immune response in man. Its concentration in blood plasma of healthy individuals is approximately 10 g/l, which accounts for about 75% of the total plasma immunoglobulins. IgG has the highest stability of blood immunoglobulins (T1/2 = 21 days) and is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other immunoglobulins

**References:** Brinkmann V, Heusser CH.: Cell Immunol. 1993 Dec;152(2):323-32.

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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