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Zuschläge

- Mindermengenzuschlag
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Peroxidase Mouse Monoclonal to IgG (Fc)

CLX383HP

Lot:

Size: 0.1 mg

Clone: EM-07

Isotype: Mouse IgG1

Specificity: The antibody EM-07 reacts with Fc part of human IgG heavy chain and with isolated Fc fragments.

Immunogen: Fusion protein of human IgG Fc fragment.

Species Reactivity: Human, Other not determined

Preparation: The purified antibody is conjugated with Horseradish Peroxidase (HRP) of high specific activity and RZ=3.

Concentration: 1 mg/ml

Storage Buffer: The reagent is provided in phosphate buffered saline (PBS) containing 0.01% (w/v) thimerosal and 1% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.

Usage: The peroxidase conjugate is designed for ELISA and Western Blotting. Suggested working dilution for ELISA is 0.1 - 0.5 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.

Continued...

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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 (T_{1/2} = 21 days) and is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other immunoglobulins.

References:

*Franklin EC: Structure and function of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95.

*Fuller JM, Keyser JW: Serum immunoglobulins after surgical operation. Clin Chem. 1975 May;21(6):667-71.

*Balogh Z, Merétey K, Falus A, Bozsóky S: Serological abnormalities in juvenile chronic arthritis: a review of 46 cases. Ann Rheum Dis. 1980 Apr;39(2):129-34.

*Brinkmann V, Heusser CH: T cell-dependent differentiation of human B cells into IgM, IgG, IgA, or IgE plasma cells: high rate of antibody production by IgE plasma cells, but limited clonal expansion of IgE precursors. Cell Immunol. 1993 Dec;152(2):323-32.

Laboratory Reagent For Research Use Only

BA 08/20/12