



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Purified Mouse Anti-Human IgG (Fc) Monoclonal Antibody

**CLX383AP**

**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

**Application:** Western Blotting

**Application note:** The peroxidase conjugate of this antibody is suitable for detection of human IgG Fc fragments by WB. The antibody EM-07 does not crossreact with IgM.  
Immunocytochemistry  
ELISA

Application note: The peroxidase conjugate of this antibody is suitable for detection of human IgG Fc fragments by ELISA. The antibody EM-07 does not crossreact with IgM.

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

**Purification:** Purified from hybridoma culture supernatant by protein-A affinity chromatography.

**Concentration:** 1 mg/ml

**Storage Buffer:** Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

**Storage / Stability:** Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

*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 (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:**

\*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.

*This product is made available in collaboration with Exbio Praha, a.s.*

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