

Mouse Anti-Hu IgG (Fc) HRP, clone EM-07 (Monoclonal)

Clone no. EM-07

MONOSAN

Product name	Mouse Anti-Hu IgG (Fc) HRP, clone EM-07 (Monoclonal)
Host	Mouse
Applications	WB, ELISA
Species reactivity	Human
Conjugate	HRP
Immunogen	Fusion protein of human IgG Fc fragment.
Isotype	IgG3
Clonality	Monoclonal
Clone number	EM-07
Size	0.1 mg
Concentration	1 mg/ml
Format	Purified antibody is conjugated with activated horseradish peroxidase (HRP)
Storage buffer	Stabilizing phosphate buffered saline (PBS), pH 7.4, 0.01% thimerosal
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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. Specificity Immunoglobulin M (IgM) is produced as a 900 kDa pentamer, which is an efficient complement binder. This antibody type is produced initially in the immune response and it is the first immunoglobulin class to be synthesized by a fetus or newborn. IgM antibodies do not cross the placenta. IgM concentration in blood is 0.12 g/l and its biological survival (plasma T1/2) is 5 days. Application details Western blotting and ELISA: The peroxidase conjugate of this antibody is suitable for detection of human IgG Fc fragments. The antibody EM-07 does not crossreact with IgM.

References

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