

Product Datasheet

Anti-h IgM 7408 SPRN-5 100084

Product Name	Anti-h IgM 7408 SPRN-5
Catalog Number	100084
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Species/Host	Mouse
Tested Applications	FIA
Alternative Names	Anti-human immunoglobulin M
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8 °C
Isotype	IgG1
Clonality	Monoclonal
Epitope	Recognizes an epitope in the Fc region of IgM.
Purity	≥ 95 %
Affinity constant	$KA = 6 \times 10^{10}$ 1/M
Buffer	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	6.1-7.0
Cross Reactivity	Human IgG < 0.01 %, Human IgA < 0.02 %, Goat IgG < 0.01 %, Rabbit IgG < 0.01 %, Equine IgG < 0.01 %, Porcine IgG < 0.02 %, Bovine IgG < 0.01 %, Ovine IgG < 0.01 %
Specificity	Antibody recognizes human immunoglobulin M
Shelf Life	36 months

References

Hashida, S., Ishikawa, S., Hashinaka, K., Nishikata, I., Oka, S., and Ishikawa, E. (2) Earlier detection of human immunodeficiency virus type 1 p24 antigen and immunoglobulin G and M antibodies to p17 antigen in seroconversion serum panels by immune complex transfer enzyme immunoassays. *Clin. Diag. Lab. Immunol.*, 7(6):872-881. Juhela, S., Hyöty, H., Lönnrot, M., Roivainen, M., Simell, O., and Ilonen, J., (1998) Enterovirus infections and enterovirus specific T-cell responses in infancy. *J. Med. Virol.*, 54:226-232. Juhela, S., Hyöty, H., Hinkkanen, A., Elliott, J., Roivainen, M., Kulmala, P., Rahko, J., Knip, M., and Ilonen, J., (1999) T cell responses to enterovirus antigens and to b-cell autoantigens in unaffected children positive for IDDM-associated autoantibodies. *J. Autoimmun.*, 12:269-278. Hiltunen, M., Hyöty, H., Knip, M., Ilonen, J., Reijonen, H., Vähäsalo, P., Roivainen, R., Lönnrot, M., Leinikki, P., Hovi, T., Åkerblom, H.K., and the Childhood Diabetes in Finland Group (DiMe) study Group, (1997) Islet cell antibody seroconversion in children is temporally associated with enterovirus infections. *J. Inf. Dis.*, 175:554-56. Lönnrot, M., Knip, M., Roivainen, M., Koskela, P., Åkerblom, H.K., and Hyöty, H., (1998) Onset of type 1 diabetes mellitus in infancy after enterovirus infections. *Diabetic Med.*, 15:431-434. Valtanen, S., Roivainen, M., and Hovi, T. (1999) Problems with biotin-labelled virions as probes in poliovirus-specific m-capture-IgM assays. *J. Clin. Virol.*, 14:17-23. Viskari, H.R., Roivainen, M., Reunanen, A., Pitkäniemi, J., Sadeharju, K., Koskela, P., Hovi, T., Leinikki, P., Vilja, P., Tuomilehto, J., and Hyöty, H., (22) Maternal first-trimester enterovirus infection and future risk of type 1 diabetes in the exposed fetus. *Diabet.*, 51:2568-2571.