



Anti-Cytosolic 5'-nucleotidase 1A autoantibodies

- Acronyms** cN-1A
- Synonyms** Mup44
- Indications** ▶ Suspicion of inclusion body myositis
- see also** Autoantibodies in idiopathic inflammatory myopathies

Prevalence **Table 1** Diseases associated with anti-Cytosolic 5'-nucleotidase 1A

Diseases	[%]	Authors
Inclusion body myositis	37 34 - 70 * 33	Herbert et al. 2015 Larman et al 2013 Pluk et al. 2013
Systemic lupus erythematoses	20	Herbert et al. 2015
Sjögren Syndrome	36	Herbert et al. 2015
Dermatomyositis and Polymyositis	< 5	Herbert et al. 2015 Pluk et al. 2013

* dependent from antibody reactivity.

Literature

Herbert MK, Stammen-Vogelzangs J, Verbeek MM, Rietveld A, Lundberg IE, Chinoy H, Lamb JA, Cooper RG, Roberts M, Badrising UA, De Bleecker JL, Machado PM, Hanna MG, Plestilova L, Vencovsky J, van Engelen BG, Pruijn GJ: Disease specificity of autoantibodies to cytosolic 5'-nucleotidase 1A in sporadic inclusion body myositis versus known autoimmune diseases. *Ann Rheum Dis* (2015); pii: annrheumdis-2014-206691 (PMID: [25714931](#)).

Larman HB, Salajegheh M, Nazareno R, Lam T, Sauld J, Steen H, Kong SW, Pinkus JL, Amato AA, Elledge SJ, Greenberg SA: Cytosolic 5'-nucleotidase 1A autoimmunity in sporadic inclusion body myositis. *Ann Neurol* (2013); 73(3): 408 - 418 (PMID: [23596012](#)).

Pluk H, van Hoeve BJ, van Dooren SH, Stammen-Vogelzangs J, van der Heijden A, Schel-haas HJ, Verbeek MM, Badrising UA, Arnardottir S, Gheorghe K, Lundberg IE, Boelens WC, van Engelen BG, Pruijn GJ: Autoantibodies to cytosolic 5'-nucleotidase 1A in inclusion body myositis. *Ann Neurol* (2013); 73(3): 397 - 407 (PMID: [23460448](#)).