

# Evaluation of Selective IgA Deficiency

## Quantitation of immunoglobulins

Immunoglobulin A: < 50% of the lower reference range limit.  
Immunoglobulin G and M: normal.

## Indicators of Selective IgA Deficiency

Occurs in approximately 1 in 140 (Middle Eastern),  
1 in 600 (European), 1 in 60,000 (Japanese).

Most common primary immunodeficiency.

Majority of individuals are asymptomatic.

Common symptoms include: recurrent ear, sinus, and lung infections that may be unresponsive to antibiotics; allergies, asthma, chronic diarrhoea, and autoimmune disease.

Normal complement levels, normal T and B cell numbers.

## Helpful tests

IgG subclasses: some sufferers have associated IgG2 and/or IgG4 subclass deficiency.

Coeliac screen (including coeliac tissue typing): sufferers can develop coeliac disease.