



Anti-Human IgA2 monoclonal antibody, clone LU51 [HRP] (DCABH-96)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to IgA (HRP)
Antigen Description	Human IgA (immunoglobulin A) is a glycosylated protein of 160 kDa and is produced as a monomer or as a J chain linked dimer. Monomeric IgA constitutes 5-15 % of the serum immunoglobulins whereas dimeric IgA is localized to mucosa surfaces such as saliva, gastrointestinal secretion, bronchial fluids and milk. Mucosal IgA plays a major role in host defence by neutralising infectious agents at mucosal surfaces. The production is usually local and antigen specific IgA producing B cells can be found in regions under the lamina propria where they mature into dimeric IgA producing plasma cells. IgA deficiency is the most common immunodeficiency that may affect both serum and mucosal produced IgA. OR: The secretory component is a component of immunoglobulin A (IgA) which consists of a portion of the polymeric immunoglobulin receptor. Polymeric IgA binds to the polymeric immunoglobulin receptor on the basolateral surface of epithelial cells and is taken up into the cell via transcytosis. The receptor-IgA complex passes through the cellular compartments before being secreted on the luminal surface of the epithelial cells, still attached to the receptor. Proteolysis of the receptor occurs and the dimeric IgA molecule, along with the secretory component, are free to diffuse throughout the lumen.
Specificity	Does not cross-react with anti-NP IgG1, IgG2, IgG3, IgG4, IgM and IgE
Immunogen	Mouse-Human chimeric anti-NP IgA2.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	LU51

Conjugate	HRP
Applications	Sandwich ELISA
Format	Liquid
Size	100 µl
Buffer	Preservative: 0.01% Thimerosal (merthiolate); Constituents: PBS
Preservative	None
Storage	Store at +4°C.

GENE INFORMATION

Gene Name	IGHA2 Immunoglobulin heavy constant alpha 2(A2m marker) [Homo sapiens]
Official Symbol	IGHA2
Synonyms	IGHA2; Immunoglobulin heavy constant alpha 2(A2m marker);
Entrez Gene ID	28225