



# Anti-Human IgHM monoclonal antibody, clone LU49 [HRP] (DCABH-95)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to IgM (HRP)
<b>Antigen Description</b>	<p>IgM normally constitutes about 10% of serum immunoglobulins. IgM antibody is prominent in early immune responses to most antigens and predominates in certain antibody responses such as natural blood group antibodies. IgM (with IgD) is the major immunoglobulin expressed on the surface of B cells. The gene for the mu constant region contains four domains separated by short intervening sequences. Class specific anti immunoglobulin antibodies are useful for: The characterization of malignant B cell proliferations. All but acute lymphocytic leukemias share either surface or intra cytoplasmic Ig with an isotypic restriction, which suggest the monoclonal nature of the cell population. Most of the chronic lymphocytic leukemias, non Hodgkin lymphomas and Burkitts lymphoma bear surface IgM, whereas plasmocytes from Waldenstr?ms disease bear intracytoplasmic IgM. The other isotypes are less frequently found. On the other hand multiple myelomas are usually of the IgG or IgA type. Characterization of plasma cells in inflammatory conditions: Plasma cell typing can be of use for the classification of intestinal inflammatory conditions such as inflammatory bowel disease and allergic conditions. In the latter a specific increase in the number of IgE plasma cells can be demonstrated.</p>
<b>Specificity</b>	Does not cross-react with Human IgG and anti-NP IgG1, IgG2, IgG3, IgG4, IgA and IgE.
<b>Immunogen</b>	Mouse-Human chimeric anti-NP IgM
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	LU49

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IGHM Immunoglobulin heavy constant mu [ Homo sapiens ]</a>
<b>Official Symbol</b>	IGHM
<b>Synonyms</b>	IGHM; Immunoglobulin heavy constant mu;
<b>Entrez Gene ID</b>	<a href="#">28216</a>