Datasheet for ABIN6154943

Mouse anti-Human IgM Antibody (CF®647)

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Overview

Quantity:	100 µL
Target:	IgM
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	CF®647
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Purpose:	Mouse Monoclonal anti-Human IgM Immunoglobulin (DA4-4), CF647 Conjugate
Immunogen:	Heavy chain of human IgM
Clone:	DA4-4
Isotype:	IgG1 kappa
Characteristics:	This antibody recognizes a protein of 75 kDa, identified as mu heavy chain of human immunoglobulins. It does not cross-react with alpha (IgA), gamma (IgG), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. This MAb is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant. Primary antibodies are available purified, or with a selection of fluorescent

Product Details

	CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	IgM
Alternative Name:	IgM Immunoglobulin (IgM Products)
Target Type:	Antibody
Background:	AGM1, IGHM, Constant Region of Heavy Chain of IgM, Ig Mu Chain C Region
Molecular Weight:	50-75 kDa
Gene ID:	3507, 510635

Application Details

Application Notes:	Immunohistology formalin-fixed 0.5-1 µg/mL • Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes • Immunofluorescence 0.5-1 µg/mL • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • Optimal dilution for a specific application should be determined by user
Comment:	293T, Raji or hPBL cells. Tonsil or Spleen
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light