Datasheet for ABIN6151447

anti-CD44 Standard antibody (CF®647)

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Overview

Quantity:	100 µL
Target:	CD44 Standard (CD44s)
Reactivity:	Human, Baboon, Green Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD44 Standard antibody is conjugated to CF®647
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Western Blotting (WB)

Product Details

Purpose:	Mouse Monoclonal anti-CD44 Standard (156-3C11), CF647 Conjugate
Immunogen:	Stimulated human leukocytes
Clone:	156-3C11
Isotype:	IgG2a kappa
Characteristics:	This antibody recognizes a cell surface glycoprotein of 80-95 kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leucocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin. This MAb selectively interferes with lymphocyte binding to lymph node, mucosal and synovial endothelium. The CD44 family of glycoproteins exists in a number of variant isoforms, the most common being the standard 85-95 kDa or hematopoietic variant (CD44s). Higher molecular weight isoforms are described in epithelial cells (CD44v), which are believed to function in intercellular adhesion and stromal binding. CD44

Product Details

	immunostaining is commonly used for the discrimination of urothelial transitional cell carcinoma in-situ from non-neoplastic changes in the urothelium. Primary antibodies are available purified, or with a selection of fluorescent 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:	CD44 Standard (CD44s)
Alternative Name:	CD44 Standard (CD44s Products)
Molecular Weight:	80-95 kDa
Gene ID:	960, 502328
UniProt:	P16070

Application Details

Application Notes:	Immunohistology formalin-fixed 0.25-0.5 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 Western blotting 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:	HeLa cells or paracortex in tonsil or lymph node.
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

Handling

	should be handled by trained staff only.
Handling Advice:	Protect from light