

IO Test Conjugated Antibody CD138-Pacific Blue

	Specifications
Specificity	CD138
Clone	B-A38
Hybridoma	X63 x balb/c
Immunogen	U266 cell line
Isotype	IgG1
Species	Mouse
Purification	Affinity chromatography
Fluorochrome	Pacific Blue
Molar ratio	Pacific Blue / Ig: 6 - 8
λ excitation	405 nm
Emission Peak	455 nm
Buffer	PBS pH 7.2 plus 2 mg / mL BSA and 0.1% NaN ₃

REF B37788 Liquid - 0.5 mL

Analyte Specific Reagent.

Analytical and performance characteristics are not established

REAGENTS

Concentration: See lot specific Certificate of Analysis at www.beckmancoulter.com.

WARNING AND PRECAUTIONS

1. This reagent contains 0.1% sodium azide. Sodium azide under acid conditions yields hydrazoic acid, an extremely toxic compound. Azide compounds should be flushed with running water while being discarded. These precautions are recommended to avoid deposits in metal piping in which explosive conditions can develop. If skin or eye contact occurs, wash excessively with water.
2. Specimens, samples and all material coming in contact with them should be considered potentially infectious and disposed of with proper precautions.
3. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.
4. Do not use antibody beyond the expiration date on the label.
5. Do not expose reagents to strong light during storage or incubation.
6. Avoid microbial contamination of reagents or incorrect results might occur.
7. Use good laboratory practices when handling this reagent.
8. Any change in the physical appearance of the reagents may indicate deterioration and the reagent should not be used.

GHS HAZARD CLASSIFICATION

Not classified as hazardous

STORAGE AND HANDLING CONDITIONS AND STABILITY

This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze.

No reconstitution is necessary. This monoclonal antibody may be used directly from the vial. Bring reagent to 18 – 25°C prior to use.

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Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

SPECIFICITY

CD138 is a syndecan-1 heparan sulfate proteoglycan with highly conserved type I transmembrane and cytoplasmic domain, and an extracellular domain of varying size containing covalently attached heparin sulfate chains. Syndecan play a role in growth control, cell spreading, cellular recognition, cellular adhesion, and signaling, possibly as co-receptors with integrins and cell-cell adhesion molecules collaborating with other receptors to regulate cell signaling and cytoskeletal organization (1,2).

The B-A38 monoclonal antibody was studied during the 8th HLDA Workshop on Human Leucocyte Differentiation Antigens, held in Adelaide, Australia, in 2004 (3).

TRADEMARKS

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Pacific Blue is a trademark of Molecular Probes, Inc.

ADDITIONAL INFORMATION

For additional information, or if damaged product is received, call Beckman Coulter Customer Service at 800-526-7694 (USA or Canada) or contact your local Beckman Coulter Representative.

REFERENCES

1. Rapraeger AC. Molecular interactions of syndecans during development. *Semin Cell Dev Biol.* 2001 Apr; 12(2):107-16.
2. Lopes CC, Dietrich CP, Nader HB. Specific structural features of syndecans and heparan sulfate chains are needed for cell signaling. *Braz J Med Biol Res.* 2006 Feb; 39(2):157-67.
3. HLDA8, Leucocyte Typing 8 – in Press (2004).



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