

Technical Data Sheet

Purified Mouse Anti-Human CD15

Product Information

Material Number:	559045
Size:	0.2 mg
Concentration:	1.0 mg/ml
Clone:	MMA
Immunogen:	U-937 histiocytic cell line
Isotype:	Mouse (BALB/c) IgM, κ
Reactivity:	QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

Reacts with the Le[x] blood group antigen, lacto-N-fucopentaose III or the CD15 antigen. The Le[x] determinant is expressed on normal cells and tissues of diverse origin, including myelomonocytic cells, myoepithelial cells in prostate, glandular epithelial cells including breast, renal cell and hepatocellular carcinomas, lung and urinary bladder adenocarcinomas and Reed-Sternberg cells in Hodgkin's disease.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at 4°C.

Application Notes

Application

Flow cytometry	Routinely Tested
Functional assay	Reported
Immunohistochemistry-formalin (antigen retrieval required)	Reported
Dot Blot	Reported
ELISA	Reported

Recommended Assay Procedure:

Functional Studies: Anti-Lewis[x] monoclonal antibody (clone MMA) has been used to determine Le[x] expression on normal and neoplastic cells in studies of tumor metastasis, together with sialyl-Le[x] (CD15s), E-selectin (CD62E) and Pselectin (CD62P) monoclonal antibodies.

Immunohistology: Anti-Lewis[x] monoclonal antibody (clone MMA) can be used in staining formalin-fixed paraffin-embedded tissue sections of normal prostate, colon, stomach, brain and lymphoid tissues, adenocarcinomas of lung and urinary bladder. The MMA monoclonal antibody also stains neuraminidase-treated, formalin-fixed, paraffin-embedded sections of normal, metaplastic and neoplastic cervical epithelium.

Immunoblotting: Anti-Lewis[x] monoclonal antibody (clone MMA) can be used to detect Le[x] in membranous glycoprotein cell or tissue extracts by immunoblotting.

Cell ELISA: Anti-Lewis[x] monoclonal antibody (clone MMA) can be used to detect Le[x] on HL-60 promyelocytic, HT-29 colon cancer or F9 teratocarcinoma cells.

Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
555581	Purified Mouse IgM, κ Isotype Control	0.1 mg	G155-228

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

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