

## Purified anti-human CD15 (SSEA-1) Antibody

<b>Catalog# / Size</b>	394702 / 100 µg
<b>Clone</b>	MMA
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	FUT4, ELFT, FCT3A, FUC-TIV, FUTIV, LeX, SSEA-1, 3-FAL, 3-FL, LNFP III, X-hapten
<b>Isotype</b>	Mouse IgM, κ
<b>Description</b>	CD15 is 3-fucosyl-N-acetyllactosamine (3-FAL), also known as Lewis X, 3-FAL, X-hapten, and SSEA-1. CD15 is expressed on granulocytes and monocytes. It has also been shown to be expressed on Langerhans cells and some malignant cells. CD15 has been implicated in adhesion, as well as chemotaxis, phagocytosis, and bactericidal activity.

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	U-937 human cell line
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">IHC-P - Reported in the literature. not verified in house</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤0.125 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application Notes</b>	In-house testing suggests that clone MMA does not block W6D3 also raised against human CD15 (SSEA-1)
<b>Application References</b> (PubMed link indicates BioLegend citation)	<ol style="list-style-type: none"><li>1. Hanjan S.N, <i>et al.</i> 1982. <i>Clin. Immunol. and Immunopathol.</i> 23(2):172 (FC)</li><li>2. Greil R, <i>et al.</i> 2018. <i>Oncotarget.</i> 9(29):20928 (IHC)</li><li>3. Brcic L, <i>et al.</i> 2018. <i>Virchows. Arch.</i> 472(4):589 (IHC/FC)</li><li>4. Karai B, <i>et al.</i> 2018. <i>Biochem. Med.</i> 28(2):020704 (FC)</li><li>5. Chan RC, <i>et al.</i> 2018. <i>Biomed Rep.</i> 8(3):224 (FC)</li></ol>
<b>RRID</b>	AB_2750060 (BioLegend Cat. No. 394702)

### Antigen Details

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<b>Structure</b>	Poly-N-acetyllactosamine
<b>Distribution</b>	Neutrophils, eosinophils, monocytes
<b>Function</b>	Phagocytosis and chemotaxis
<b>Ligand/Receptor</b>	CD62E

<b>Cell Type</b>	Neutrophils, Eosinophils, Monocytes
<b>Biology Area</b>	Cell Biology, Immunology, Neuroscience, Neuroscience Cell Markers
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	1. Stocks SC, <i>et al.</i> 1990. <i>Biochem. J.</i> 268:275.
<b>Gene ID</b>	<a href="#">2526</a>

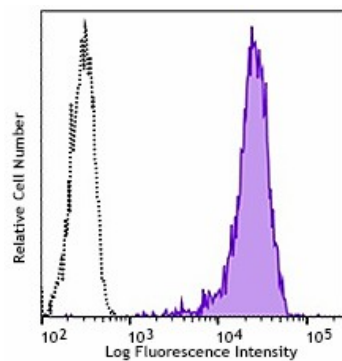
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-human CD15 (SSEA-1), Pacific Blue™ anti-human CD15 (SSEA-1), FITC anti-human CD15 (SSEA-1)

## Product Data



Human peripheral blood granulocytes were stained with purified CD15 (SSEA-1, clone MMA) (filled histogram) or purified Mouse IgM, κ isotype control (open histogram), followed by anti-mouse IgM FITC.

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