Antibodies

Antibody, Clone MC-480, FITC

**Target Antigen Name:** SSEA-1 (CD15)

**Alternative Names:** 3-FAL, CD15, Lewis X, SSEA1, Stage-specific embryonic antigen 1, X-hapten

**Gene ID:** 14345

**Species Reactivity:** Human, Mouse, Rat

**Host Species:** Mouse

**Clonality:** Monoclonal

**Clone:** MC-480

**Isotype:** IgM, kappa

**Immunogen:** Mouse F9 teratocarcinoma cells (X-irradiated)

**Conjugate:** FITC

**Applications**

**Verified:** FC

**Reported:** FC

**Special Applications:** This antibody clone has been verified for purity assessments of cells isolated with EasySep™ kits, including EasySep™ HLA Whole Blood CD15 Positive Selection Kit (Catalog #18681HLA; partial blocking may be observed), and for labeling human ES and iPS cells grown in TeSR™-E8™ (Catalog #05940), mTeSR™1 (Catalog #05850) and TeSR™2 (Catalog #05860).

**Properties**

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) bovine serum albumin

**Purification:** The antibody was conjugated with FITC under optimal conditions, and is at > 85% purity. The solution is free of unconjugated FITC.

**Stability and Storage:** Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, please contact techsupport@stemcell.com.

**Directions for Use:** For flow cytometry the suggested use of this antibody is 5 μL per 1 x 10^6 cells in 100 μL volume or per 100 μL of whole blood. It is recommended that the antibody be titrated for optimal performance for each application.

**Abbreviations:** CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting
Antibodies
Anti-Mouse SSEA-1 (CD15) Antibody, Clone MC-480, FITC

Data

(A) Flow cytometry analysis of human buffy coat nucleated cells labeled with Anti-Human SSEA-1 Antibody, Clone MC-480, FITC (filled histogram) or a mouse IgM, kappa FITC Isotype control antibody (solid line histogram). SSEA-1 (CD15) is highly expressed on granulocytes.

(B) Flow cytometry analysis of human buffy coat nucleated cells processed with the EasySep™ HLA CD15 WB Positive Selection Kit and labeled with Anti-Human SSEA-1 Antibody, Clone MC-480, FITC. Histograms show labeling of buffy coat nucleated cells (Start) and isolated cells (Isolated). Labeling of start cells with a mouse IgM, kappa FITC Isotype control antibody is shown (solid line histogram).

Related Products
For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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