

TECHNICAL DATA SHEET

CyFlow™ CD38 PerCP-Cy5.5

REF AW651359



EXBIO Praha, a.s.
Nad Safinou II 341
252 50 Vestec
Czech Republic

Distributed in the U.S.A. by:
Sysmex America, Inc.
577 Aptakisic Road
Lincolnshire, IL 60069, U.S.A.
Tel.: 1-888-879-7639 or 1-847-367-3503
E-mail: cytometry@sysmex.com
<https://us.sysmex-flowcytometry.com/>

Analyte Specific Reagent.

Analytical and performance characteristics are not established.

Specifications

Antigen	CD38
Antigen Alternative Names	T10
Clone	HIT2
Clonality	monoclonal
Format	PerCP-Cy5.5
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Quantity [Concentration]	1.0 mL [50 µg/mL]
Immunogen	Human thymocytes in foetus

The Safety Data Sheet for this product is available at <https://us.sysmex-flowcytometry.com/>.

Description

The mouse monoclonal antibody HIT2 recognizes human CD38 antigen.

HLDA III—WS Code T 155

Application

The reagent may have application in various test methodologies, including Flow Cytometry. Vial has sufficient volume for 100 tests*, if used at 10 µL / test.

**ASR reagent – user has responsibility for determining reagent quantity per test for their own test application.*

Purity

≤ 20% free (unconjugated) fluorochrome and/or monoclonal antibody, as measured by size-exclusion high performance liquid chromatography (SEC-HPLC).

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.09% (w/v) sodium azide and 0.2% (w/v) BSA.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Antigen Distribution

CD38 (T10) is a 45 kDa type II transmembrane glycoprotein strongly expressed mainly on plasma cells and activated T and B lymphocytes; it is an antigenic marker of lymphoid cells. CD38 is able to induce activation, proliferation and differentiation of mature lymphocytes and mediate apoptosis of myeloid and lymphoid progenitor cells. Another role of CD38 is provided by enzymatic activity of its extracellular part.

Warnings

All biological specimens and materials coming in contact with them are considered biohazards. Handle as if capable of transmitting infection and dispose of with proper precautions in accordance with federal, state and local regulations. Never pipette by mouth. Wear suitable protective clothing, eyewear and gloves.

Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.

Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet.

Symbols



Reference number



Batch code



Use-by date



Keep away from sunlight



Clone of hybridoma cells used to produce monoclonal antibody



Manufacturer



Date of manufacture



Temperature limit



Unique device identifier

Cy and CyDye are trademarks of GE Healthcare.