TECHNICAL DATA SHEET

CyFlow™ FOLR2 Purified
Anti-Hu; Clone EM-35

REF BD029864

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For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	FOLR2
Alternative Names	—
Clone	EM-35
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	Mouse
Quantity [Concentration]	0.1 mg [1 mg/mL]
Immunogen	BW5147α,β - cells

Specificity

The mouse monoclonal antibody EM-35 recognizes FOLR2 antigen, a 30-40 kDa cell surface protein serving as a receptor for folic acid.

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunocytochemistry

Storage Buffer

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

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.

Background Information

FOLR2 (folate receptor β) is a cell surface protein that was originally thought to be specific for placenta, but it can be also expressed in other tissues, including hematopoietic cells. Its expression is increased in malignant tissues. FOLR2 may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients. FOLR2 is a marker for macrophages generated in the presence of M-CSF (M2), including M2-like tumor-associated macrophages, which exert potent immunosuppressive functions within the tumor environment, but not GM-CSF (M1), and whose expression correlates with increased folate uptake ability.

Warnings

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 (SDS). SDS are available at http://www.sysmex-partec.com/services, or at https://us.sysmex-flowcytometry.com/ (U.S. customers only).

References

· Machacek C, Supper V, Leksa V, Mitulovic G, Spittler A, Drbal K, Suchanek M, Ohradanova‐Repic A, Stockinger H: Folate Receptor β Regulates Integrin CD11b/CD18 Adhesion of a Macrophage Subset to Collagen. JImmunol. 2016 Sep 15; 197(6):2229‐38. < PMID: 27534550 >

· Ohradanova‐Repic A, Machacek C, Charvet C, Lager F, Le Roux D, Platzer R, Leksa V, Mitulovic G, Burkard TR, Zlabinger GJ, Fischer MB, Feuillet V, Renault G, Blüml S, Benko M, Suchanek M, Huppa JB, Matsuyama T, Cavaco‐Paulo A, Bismuth G, Stockinger H: Extracellular Purine Metabolism Is the Switchboard of Immunosuppressive Macrophages and a Novel Target to Treat Diseases With Macrophage Imbalances. FrontImmunol. 2018 Apr 27; 9:852. < PMID: 29780382 >

Unpublished.

Symbols

	Reference number		Contains sufficient for <n> tests
	For research use only		Temperature limit
	Batch code		Keep away from sunlight
	Manufacturer		Consult accompanying documents
	Use-by date		Unique device identifier