

## TECHNICAL DATA SHEET

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

**REF** BD029864

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

### Specifications

<b>Antigen</b>	FOLR2
<b>Alternative Names</b>	—
<b>Clone</b>	EM-35
<b>Clonality</b>	monoclonal
<b>Format</b>	Purified
<b>Host / Isotype</b>	Mouse / IgG1
<b>Species Reactivity</b>	Human
<b>Negative Species Reactivity</b>	Mouse
<b>Quantity [Concentration]</b>	0.1 mg [ 1 mg/ml ]
<b>Immunogen</b>	BW5147 $\alpha,\beta$ - 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.

#### Contact Information:

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## 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  $\approx$ 7.4, containing 0.1% (w/v) sodium azide.

## Storage and Stability

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

## Background Information

FOLR2 (folate receptor  $\beta$ ) 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.

## References

- Unpublished.

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The Safety Data Sheet for this product is available at [www.sysmex-partec.com/services](http://www.sysmex-partec.com/services).

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