

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EMP. Stains human EMP3 cell transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2B} Clone # 439949
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human EMP3 Met1-Glu163 Accession # P54852
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human peripheral blood mononuclear cells fixed with paraformaldehyde and permeabilized with saponin

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Epithelial membrane protein 3 (EMP3) is a multipass transmembrane protein in the peripheral myelin protein 22 family. It is expressed as a 20-25 kDa molecule depending on the degree of glycosylation. EMP3 interacts with the P2X7 purinergic receptor on monocytes. Its dysregulation is associated with glioma and neuroblastoma. Human EMP3 shares 93% aa sequence identity with mouse and rat EMP3.

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