

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human FABP5/E-FABP in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human FABP1, 2, 3, 4, 6, 7, or 9 is observed. |
| Source | Monoclonal Rat IgG _{2A} Clone # 311215 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>E. coli</i> -derived recombinant human FABP5/E-FABP Ala2-Glu135 Accession # Q01469 |
| Conjugate | Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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 |
|-----------------------|----------------------------------|--|
| Flow Cytometry | 0.25-1 µg/10 ⁶ cells | HUVEC human umbilical vein endothelial cells |

PREPARATION AND STORAGE

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| 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

FABP5, also known as epidermal fatty acid binding protein (E-FABP), is expressed in skin, lens, adipose tissue, endothelial cells, heart, brain and placenta. FABP-5 is associated with keratinocytes and adipocytes, and is suggested to promote fatty acid availability to enzymes, protect cell structures from fatty acid attack, and target fatty acids to nuclear transcription factors. Human FABP-5 shares 80%, 81%, and 92% aa identity with mouse, rat and bovine FABP-5, respectively.

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