

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD46 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 344519
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD46 Cys35-Asp328 Accession # NP_722548
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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	Human whole blood monocytes

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD46, also known as MCP, is a type I membrane protein that functions as a cofactor for Complement Factor I-mediated inactivation of complement components C3b and C4b. CD46 is expressed in white blood cells, platelets, epithelial cells, and fibroblasts. The extracellular region of CD46 contains four tandem Sushi domains. At least fourteen transcript variants encode isoforms with deletions or substitutions following the fourth Sushi domain. Within corresponding regions, human CD46 shares 50% amino acid sequence identity with mouse and rat CD46.

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