

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD11c in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) Integrin α1, 2, 4, 5, 6, 8, 9, 10, 11, L, M, rhIntegrin α2b/β3, α3/β1, α6X1/β4, α7X2/β1, αD/β2, αE/β7, αV/β6, recombin
Source	Monoclonal Mouse IgG ₁ Clone # 538207
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD11c aa 20-1107 Accession # P20702
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

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

CD11c, also known as Integrin αX, is an approximately 150 kDa type I transmembrane glycoprotein that heterodimerizes with Integrin β2, also known as CD18. The CD11c/CD18 complex, also called CR4 (complement receptor type 4) is expressed on macrophages, dendritic cells and hairy cell leukemias, with lower amounts on other myeloid cells and activated B, NK and some cytotoxic T cells. It binds fibrinogen and has been reported to be a receptor for complement component iC3b (1-3). The human CD11c extracellular domain (amino acids 20-1107) shares 70 - 76% amino acid sequence identity with mouse, rat and canine CD11c.

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