

DESCRIPTION

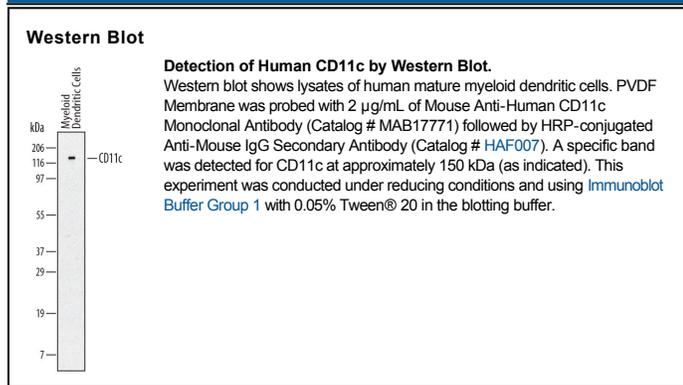
Species Reactivity	Human
Specificity	Detects human CD11c in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) Integrin α 1, 2, 4, 5, 6, 8, 9, 10, 11, L, M, rhIntegrin α 2b/ β 3, α 3/ β 1, α 6X1/ β 4, α 7X2/ β 1, α D/ β 2, α E/ β 7, α V/ β 6, recombinant mouse Integrin α X, and α 7X2 is observed.
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
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

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
Western Blot	2 μ g/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CD11c, also known as Integrin α X, is an approximately 150 kDa type I transmembrane glycoprotein that heterodimerizes with Integrin β 2, 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.

References:

1. Hogg, N. *et al.* (1986) Eur. J. Immunol. **16**(3):240.
2. Knapp, W.B. *et al.* eds. (1989) Leukocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, New York.
3. Stacker, S.A. and T.A. Springer, J. Immunol. (1991) **146**(2):648.