

DESCRIPTION

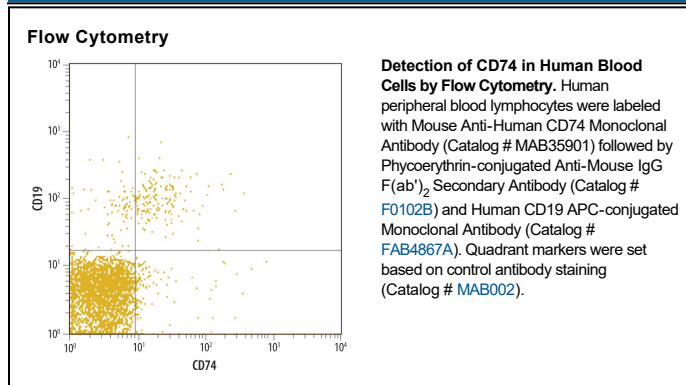
Species Reactivity	Human
Specificity	Detects recombinant human CD74 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 332516
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-S-derived recombinant human CD74 Gln73-Met232 Accession # NP_004346
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm 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
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

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

CD74 is a transmembrane protein which, on antigen presenting cells, is the invariant chain that chaperones MHC class II dimers from the endoplasmic reticulum to the cell surface. The cytoplasmic portion of CD74 can be released by intramembrane cleavage and activate NFκB. CD74 is up-regulated in several cancers and is also expressed by non-immune cells during inflammation. This antibody was raised to a splice variant of human CD74 which lacks the Thyroglobulin type 1 repeat in the extracellular domain. Within comparable regions, human CD74 shares 70% and 73% amino acid sequence identity with mouse and rat CD74, respectively.