

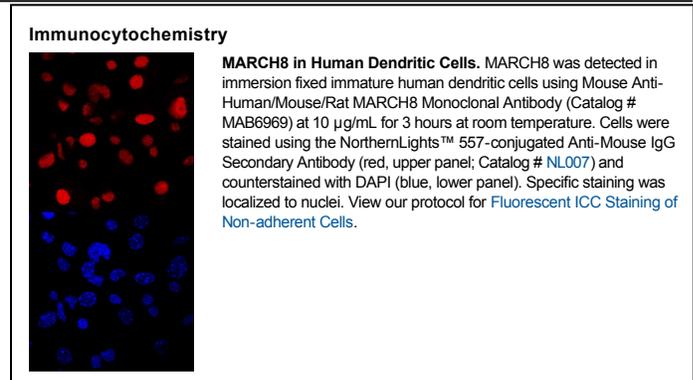
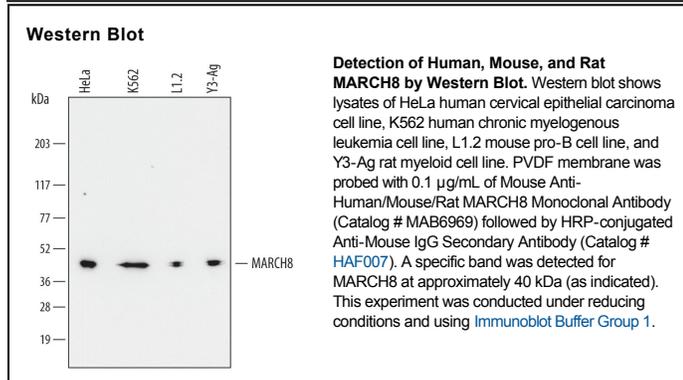
DESCRIPTION	
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human MARCH8 in direct ELISAs. In Western blots, no cross-reactivity with recombinant human (rh) MARCH-1 or rhGRAIL is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 710424
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MARCH8 Gln218-Val291 Accession # Q5T0T0
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 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
Western Blot	0.1 µg/mL	See Below
Immunocytochemistry	8-25 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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

MARCH8 (membrane-associated RING-CH VIII), also called MIR (modulator of immune recognition), or RNF178 (ring finger 178), is a 33 kDa two-pass transmembrane protein of lysosomal and early endosomal membranes in the MARCH family. MARCH proteins are E3 ubiquitin ligases that promote endocytosis and degradation of their target proteins. MARCH8 ubiquitinates B7-2/CD86 and probably Fas, Tfr and MHC class II proteins such as HLA-A2.1. Within the cytoplasmic C-terminal region used as an immunogen, human MARCH8 shares 87% amino acid identity with mouse and rat MARCH8.