

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MafG in Western blots. In Western blots, no cross-reactivity with recombinant human (rh) MafF or rhMafK is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 370412
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MafG Met1-Ser162 Accession # O15525
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	1 µg/mL	See Below

DATA

Western Blot

Detection of Human MafG by Western Blot. Western blot shows lysates of HL-60 human acute promyelocytic leukemia cell line and Ramos human Burkitt's lymphoma cell line. PVDF membrane was probed with 1 µg/mL Mouse Anti-Human MafG Monoclonal Antibody (Catalog # MAB3924) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band for MafG was detected at approximately 18 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Western Blot

Detection of Human MafG by Western Blot. Western blot shows recombinant human MafF, MafG, and MafK (5 ng/lane). PVDF membrane was probed with 1 µg/mL Mouse Anti-Human MafG Monoclonal Antibody (Catalog # MAB3924) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band for MafG was detected at approximately 18 kDa. This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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

Maf family members form a unique subclass of basic-leucine zipper (bZIP) transcription factors. Maf proteins are subdivided into two groupings: large, including c-Maf, Nrl, MafA, and MafB; and small, including MafF, MafG, and MafK. Large Mafs contain an N-terminal acidic domain important for transcriptional activation that is lacking in small Maf family members.