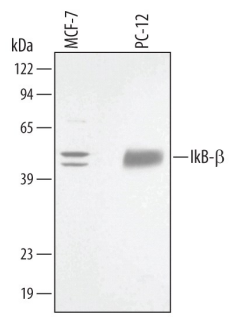
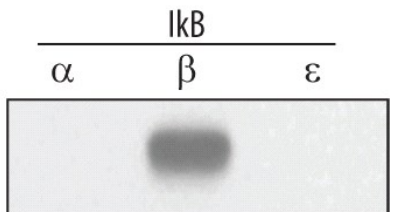


DESCRIPTION	
Species Reactivity	Human/Rat
Specificity	Detects human and rat IκB-β in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human (rh) IκB-α or rhIκB-ε is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 347428
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IκB-β Ala2-Val356 Accession # Q15653
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. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA	
<p>Western Blot</p>  <p>Detection of Human/Rat IκB-β by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line and PC-12 rat adrenal pheochromocytoma cell line. PVDF membrane was probed with 1 μg/mL Mouse Anti-Human/Rat IκB-β Monoclonal Antibody (Catalog # MAB3425) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). Specific band for Human/Rat IκB-β were detected at approximately 48 kDa and 50 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.</p>	<p>Western Blot</p>  <p>Detection of Human IκB-β by Western Blot. Western blot shows recombinant human IκB-α, IκB-β, and IκB-ε (20 ng/lane). PVDF membrane was probed with 1 μg/mL Mouse Anti-Human/Rat IκB-β Monoclonal Antibody (Catalog # MAB3425) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band for Human/Rat IκB-β was detected at approximately 48-50 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 3.</p>

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
NFκB inhibitor beta (IκB-β) inhibits the NFκB complex by binding and sequestering it in the cytoplasm. Upon stimulation, IκB-β is phosphorylated on serine residues marking it for degradation by the ubiquitin pathway. Following IκB-β degradation, the NFκB complex is able to translocate to the nucleus and activate transcription.