

**Datasheet for 100-4164P****NFKB p50 (NFKB1) Peptide****Overview**

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Description:</b> | NFKB p50 (NFKB1) Peptide - 100-4164P |
| <b>Item No.:</b>    | 100-4164P                            |
| <b>Size:</b>        | 50 µg                                |
| <b>Origin:</b>      | Human                                |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Background:</b>        | NFKB (nuclear factor kappa-light-chain-enhancer of activated B cells) is a complex of protein subunits that ultimately control transcription of cellular response to stressful stimuli, such as: cytokine exposure, free radicals, UV and irradiation, bacterial and viral secretions, etc. NF-kB also assists in regulating the immune response to infection. When mis-regulated, NF-kB has been implicated in cancer, inflammation, autoimmune disorders, and insufficient clearing of viral infections. |
| <b>Synonyms:</b>          | NFKB p50 Peptide, NFKB1 Peptide, DNA binding factor KBF1; DNA-binding factor KBF1; NF-kappabeta; nuclear factor NF-kappa-B p105 subunit; nuclear factor NF-kappa-B p50 subunit; nuclear factor kappa-B DNA binding subunit; NF-kB; NF-KB, control peptide, blocking peptide                                                                                                                                                                                                                                |
| <b>Species of Origin:</b> | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Type:</b>              | Peptide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

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| <b>Purity/Specificity:</b> | NFKB p50 (NFKB1) Control Peptide is greater than 95% specific peptide                                                                                                    |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">GeneID - 4790</a></li><li>• <a href="#">NCBI - CAB94757.1</a></li><li>• <a href="#">UniProtKB - P19838</a></li></ul> |

**Application Details**

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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application Note:</b> | NFKB p50 (NFKB1) Control Peptide is intended for use as a control peptide when used with anti-Human NFKB p50 (NFKB1) to block specific interaction of anti-Human NFKB p50 (NFKB1) with |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

the Human NFkB p50 (NFKB1) subunit. NFKB p50 (NFKB1) Control Peptide should be used at 1.0 µg per 1.0 µl of antiserum in assay.

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| <b>Assay Dilutions:</b> | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| <b>ELISA:</b>           | User Optimized                                                                                  |
| <b>IHC:</b>             | User Optimized                                                                                  |
| <b>WB:</b>              | User Optimized                                                                                  |

## Formulation

|                        |                           |
|------------------------|---------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered) |
| <b>Concentration:</b>  | 1.0 mg/mL by dry weight   |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Condition:</b>  | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. NFKB p50 (NFKB1) Control Peptide is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is six (6) months from date of receipt.                                                                                                                                                                                                                                                                                                           |

## Disclaimer

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