

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### IL-22R $\alpha$ 2 Peptide

Cat No.: BS60293P

#### Background

IL-22R $\alpha$ 2 (interleukin-22 receptor  $\alpha$ -2 chain), also known as IL-22 binding protein (IL-22BP), cytokine receptor family class II member 10 (CRF2-10) or CRF2 soluble 1 (CRF2-S1), is a soluble, nonsignaling single chain receptor for IL-22. It is highly expressed in intestine and lymph nodes and is also found in spleen, kidney and liver. IL-22R $\alpha$ 2 has a cytokine-binding domain that contains two FnIII domains. Its affinity for IL-22 is four- to ten-fold higher than that of the membrane bound IL-22 receptor, however it has a dissociation rate up to 20 times lower. By binding to IL-22, IL-22R $\alpha$ 2 prevents the binding to the IL-22 membrane bound receptor and therefore inhibits IL-22 signaling. This suggests that IL-22R $\alpha$ 2 may be important in regulating inflammatory responses. In addition, IL-22R $\alpha$ 2 can be induced by lipopolysaccharide (LPS).

#### Swiss-Prot

Q969J5

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS60293 IL-22R $\alpha$ 2 pAb.

#### Purification & Purity

Synthetic peptide IL-22R $\alpha$ 2. (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.