

Datasheet: PEP005

Description:	RECOMBINANT HORSE INTERLEUKIN-8
Name:	IL-8
Other names:	CXCL8
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	20 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA			▪	
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Horse

Product Form

Purified recombinant protein - lyophilized

Reconstitution

Reconstitute with 0.5 ml distilled water. Further dilutions should be made in a buffer containing carrier protein.

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

Preparation

Recombinant protein expressed in *pichia pastoris*

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

None present

External Database Links

UniProt:

Entrez Gene:

[100037400](#) IL8 [Related reagents](#)

Synonyms CXCL8

Product Information **Equine Interleukin 8 (IL-8)** is principally produced by macrophages and is involved in neutrophil chemotaxis.

This preparation of equine interleukin 8 has an ED50 in the range 20-25 ng/ml determined by induction of equine IL-8 on neutrophil migration *in vitro*.

Protein Molecular Weight 8.5kDa.

Purity >95% by SDS PAGE analysis

References

1. Van de Walle, G.R.*et al.* (2009) Analysis of the herpesvirus chemokine-binding glycoprotein G residues essential for chemokine binding and biological activity. [J Biol Chem. 284: 5968-76.](#)
2. Van de Walle, G.R.*et al.* (2007) Herpesvirus chemokine-binding glycoprotein G (gG) efficiently inhibits neutrophil chemotaxis in vitro and in vivo. PubMed PMID: [J Immunol. 179: 4161-9.](#)

Storage

Prior to reconstitution store at +4°C.
Following reconstitution store at -70°C.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10302 available at:
10302: <https://www.bio-rad-antibodies.com/uploads/MSDS/10302.pdf>

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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