

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 - lyophilised
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 <i>pichia pastoris</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
External Database Links	UniProt: O62812 Related reagents Entrez Gene: 100037400 IL8 Related reagents
Synonyms	CXCL8

Product Information	Equine Interleukin 8 This preparation of Equine Interleukin 8 has an ED50 in the range 20-25 ng/ml determined by studies of the induction of equine IL-8 on neutrophil migration <i>in vitro</i> .
Protein Molecular Weight	8.5kDa.
Purity	>95% by SDS PAGE analysis
References	1. Van de Walle, G.R. <i>et al.</i> (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. <i>et al.</i> (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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10209 available at: 10209: https://www.bio-rad-antibodies.com/uploads/MSDS/10209.pdf
Regulatory	For research purposes only

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