

Interphotoreceptor Retinoid Binding Protein Fragment (IRBP) (TFA)

Cat. No.:	HY-P1861A
Molecular Formula:	C ₁₀₅ H ₁₅₈ F ₃ N ₂₅ O ₃₁
Molecular Weight:	2323.52
Sequence:	Ser-Gly-Ile-Pro-Tyr-Ile-Ile-Ser-Tyr-Leu-His-Pro-Gly-Asn-Thr-Ile-Leu-His-Val-Asp
Sequence Shortening:	SGIPYIISYLHPGNTILHVD
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	Interphotoreceptor Retinoid Binding Protein Fragment (IRBP) TFA, a 20-residue peptide and a major pathogenic epitope, is present in the first homologous repeat of the interphotoreceptor retinoid binding protein peptide (IRBP 161–180), which can induce posterior uveitis (EAU) ^[1] .
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REFERENCES

- [1]. Tang J, et al. Autoimmune uveitis elicited with antigen-pulsed dendritic cells has a distinct clinical signature and is driven by unique effector mechanisms: initial encounter with autoantigen defines disease phenotype. J Immunol. 2007 May 1;178(9):5578-87.
- [2]. Cortes LM, et al. Inhibitory peptide analogs derived from a major uveitogenic epitope protect from antiretinal autoimmunity by inducing type 2 and regulatory T cells. J Leukoc Biol. 2008 Aug;84(2):577-85.
- [3]. Yang H, et al. Activation of liver X receptor alleviates ocular inflammation in experimental autoimmune uveitis. Invest Ophthalmol Vis Sci. 2014 Apr 28;55(4):2795-804.

Caution: Product has not been fully validated for medical applications. For research use only.

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