



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## RBP3 monoclonal antibody (M01), clone 4F3

Catalog # : H00005949-M01

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant RBP3.

**Immunogen:** RBP3 (NP\_002891, 1149 a.a. ~ 1246 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

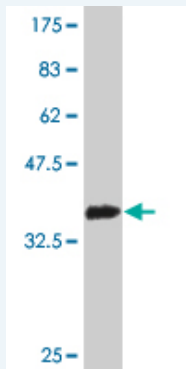
**Sequence:** GTAEFTYIMKRLGRALVIGEVTSGGCQPPQTYHVDNLYLTIPTARSV  
GASDGSSWEGVGVTPHVVPAAEEALARAKEMLQHNQLRVKRSPGLQD  
H

**Host:** Mouse

**Reactivity:** Human

**Isotype:** IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.52 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

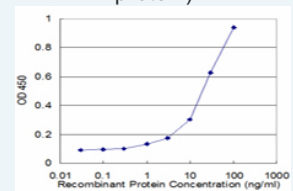
[Protocol Download](#)

**Sandwich ELISA (Recombinant protein)**

### Application Image

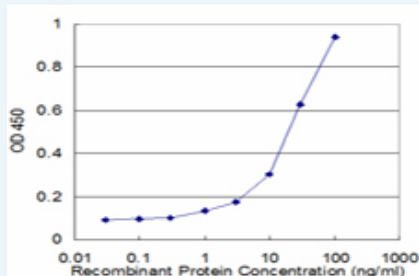
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



Detection limit for recombinant GST tagged RBP3 is approximately 1ng/ml as a capture antibody.

 [Protocol Download](#)

## ELISA

### Gene Information

**Entrez GeneID:** [5949](#)

**GeneBank** [NM\\_002900](#)

**Accession#:**

**Protein** [NP\\_002891](#)

**Accession#:**

**Gene Name:** RBP3

**Gene Alias:** D10S64,D10S65,D10S66,IRBP,RBPI

**Gene Description:** retinol binding protein 3, interstitial

**Omim ID:** [180290](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** Interphotoreceptor retinol-binding protein is a large glycoprotein known to bind retinoids and found primarily in the interphotoreceptor matrix of the retina between the retinal pigment epithelium and the photoreceptor cells. It is thought to transport retinoids between the retinal pigment epithelium and the photoreceptors, a critical role in the visual process. The human IRBP gene is approximately 9.5 kbp in length and consists of four exons separated by three introns. The introns are 1.6-1.9 kbp long. The gene is transcribed by photoreceptor and retinoblastoma cells into an approximately 4.3-kilobase mRNA that is translated and processed into a glycosylated protein of 135,000 Da. The amino acid sequence of human IRBP can be divided into four contiguous homology domains with 33-38% identity, suggesting a series of gene duplication events. In the gene, the boundaries of these domains are not defined by exon-intron junctions, as might have been expected. The first three homology domains and part of the fourth are all encoded by the first large exon, which is 3,180 base pairs long. The remainder of the fourth domain is encoded in the last three exons, which are 191, 143, and approximately 740 base pairs long, respectively. [provided by RefSeq]

**Other Designations:** OTTHUMP00000019536,interphotoreceptor retinoid-binding protein,retinol-binding protein 3,retinol-binding protein 3, interstitial

### Related Disease

[Retinal Dystrophies Retinitis Pigmentosa](#)

