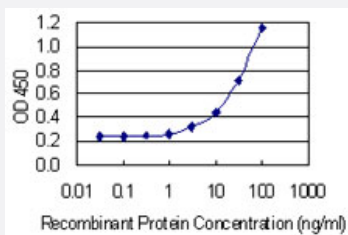


# OSTM1 monoclonal antibody (M05), clone 4H1

Catalog # H00028962-M05

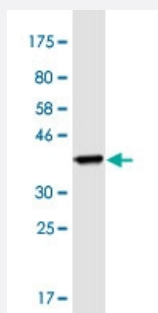
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged OSTM1 is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant OSTM1.

### Immunogen

OSTM1 (NP\_054747.2, 183 a.a. ~ 282 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

SNSTVYFLNLFNHTLTCFEHNLQGNAHSLQTKNYSEVCKNCREAYKTLSSLYSEMQKMNELENK  
AEPGTHLCIDVEDAMNITRKLWSRTFNCSVPCSDT

### Host

Mouse

### Reactivity

Human

Interspecies Antigen Sequence	Mouse (80); Rat (82)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged OSTM1 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — OSTM1

Entrez GeneID	<a href="#">28962</a>
GeneBank Accession#	<a href="#">NM_014028</a>
Protein Accession#	<a href="#">NP_054747.2</a>
Gene Name	OSTM1
Gene Alias	GIPN, GL, HSPC019, OPTB5
Gene Description	osteopetrosis associated transmembrane protein 1
Omim ID	<a href="#">259700 607649</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

This gene encodes a protein that may be involved in the degradation of G proteins via the ubiquitin-dependent proteasome pathway. The encoded protein binds to members of subfamily A of the regulator of the G-protein signaling (RGS) family through an N-terminal leucine-rich region. This protein also has a central RING finger-like domain and E3 ubiquitin ligase activity. This protein is highly conserved from flies to humans. Defects in this gene may cause the autosomal recessive, infantile malignant form of osteopetrosis. [provided by RefSeq]

**Other Designations**

GAIP-interacting protein N terminus|OTTHUMP00000016938|grey-lethal osteopetrosis

**Disease**

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Tooth Abnormalities](#)