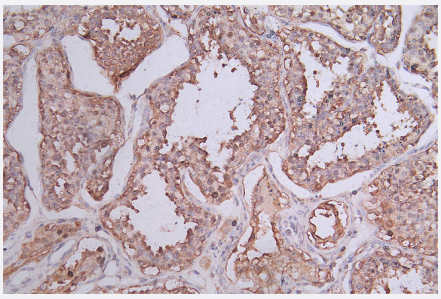
RecomAb™

# HSP90AB1 recombinant monoclonal antibody, clone 7F4

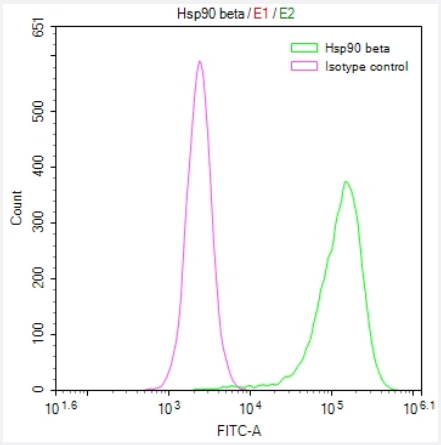
Catalog # RAB07780 Size 100 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of HSP90AB1 recombinant monoclonal antibody, clone 7F4 diluted at 1:50 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system.




### Flow Cytometry

Overlay Peak curve showing Hela cells stained with HSP90AB1 recombinant monoclonal antibody, clone 7F4 (red line) at 1:50.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human HSP90AB1. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human HSP90AB1. |
| **Reactivity** | Human |
| **Form** | Liquid |

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|---|---|
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Flow Cytometry(1:50-1:200)<br>Immunohistochemistry(1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemistry image of HSP90AB1 recombinant monoclonal antibody, clone 7F4 diluted at 1:50 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system.

- Flow Cytometry

  Overlay Peak curve showing Hela cells stained with HSP90AB1 recombinant monoclonal antibody, clone 7F4 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — HSP90AB1

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|---|---|
| **Entrez GeneID** | 3326 |
| **Protein Accession#** | P08238 |
| **Gene Name** | HSP90AB1 |
| **Gene Alias** | D6S182, FLJ26984, HSP90-BETA, HSP90B, HSPC2, HSPCB |
| **Gene Description** | heat shock protein 90kDa alpha (cytosolic), class B member 1 |
| **Omim ID** | 140572 |
| **Gene Ontology** | Hyperlink |

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|---|---|
| **Gene Summary** | HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM |
| **Other Designations** | OTTHUMP00000016517\|OTTHUMP00000016518\|OTTHUMP00000016519\|OTTHUMP00000039869\|heat shock 90kD protein 1, beta\|heat shock 90kDa protein 1, beta\|heat shock protein beta |

## Pathway

- Antigen processing and presentation
- Pathways in cancer
- Prostate cancer

## Disease

- Asthma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases
- Kidney Failure
- Occupational Diseases

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