

# **Product datasheet for CF500958**

### OriGene Technologies, Inc.

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## Serine racemase (SRR) Mouse Monoclonal Antibody [Clone ID: OTI7G6]

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI7G6
Applications: FC, IF, WB

Recommended Dilution: WB 1:500, IF 1:100, Flow 1:100

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human SRR(NP\_068766) produced in HEK293T cell.

**Formulation:** Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

**Reconstitution Method:** For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 36.6 kDa

**Gene Name:** serine racemase

Database Link: NP 068766

Entrez Gene 27364 MouseEntrez Gene 303306 RatEntrez Gene 63826 Human

Q9GZT4

**Background:** Catalyzes the synthesis of D-serine from L-serine

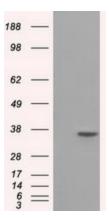
Synonyms: ILV1; ISO1

**Protein Pathways:** Glycine, serine and threonine metabolism

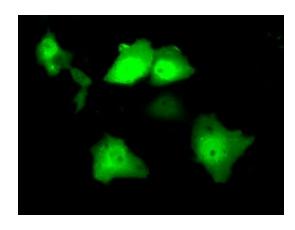




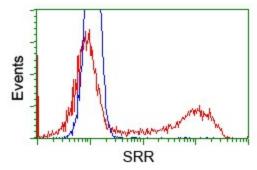
# **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SRR ([RC210359], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SRR. Positive lysates [LY402897] (100ug) and [LC402897] (20ug) can be purchased separately from OriGene.



Anti-SRR mouse monoclonal antibody ([TA500958]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SRR ([RC210359]).



HEK293T cells transfected with either pCMV6-ENTRY SRR ([RC210359]) (Red) or empty vector control plasmid (Blue) were immunostained with anti-SRR mouse monoclonal ([TA500958]), and then analyzed by flow cytometry.