Human SIRP delta
Alexa Fluor® 594-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2588A
Catalog Number: FAB10138T
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SIRP delta in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2588A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human embryonic kidney cell, HEK293-derived human SIRP delta Phe30-Arg197 Accession # Q9H106
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HEK293 Human cell line transfected with Human SIRP delta

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

SIRPD (Signal Regulatory Protein Delta), also know as Protein Tyrosine Phosphatase non-Receptor Type Substrate 1-l Like 2 (PTPNS1L2), is member of the signal regulatory proteins (SIRPS) family (1). SIRPD contains a 168 amino acid Ig-like domain that is characteristic of other SIRP family members (1). Unlike other members of SIRPS family, SIRPD lacks the transmemberane region, and is secreted (2). Murine homologs of SIRPD are not characterized. Expression sequence tag analysis suggests that SIRPD may be expressed in sperm cells and respiratory tissue (2). Using BioPlex 2.0 (Biophysical Interactions of ORFeome-derived complexes) high-throughput affinity purification–mass spectrometry (AP–MS) analysis to identify probable protein–protein interactions, several candidate SIRPD interactions were found including DIRAS2 (3). In-house testing indicates SIRPD can interact with DIRAS2.

References:

1. Van den Berg, T.K. *et al.* (2005) J. Immunol. **175**:7788.
2. Van Beek, E.M. *et al.* (2005) J Immunol. **175**:7781.
3. Huttlin, E.L. *et al.* (2017) Nature **545**:505.

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