

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SLURP1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse SLURP1 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 569317
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SLURP1 Ala22-Leu103 Accession # P55000
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

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

SLURP1 (Secreted Ly6/uPAR-related protein 1; also ARS Component B and ANUP) is a 9-10 kDa secreted member of the Ly6/uPAR Superfamily of proteins. It is expressed by restricted cell types, including sensory neurons, ciliated bronchial epithelium, T and B cells, and stratified squamous epithelium of the skin, vagina and esophagus. SLURP1 binds to the α7 nicotinic acetylcholine receptor, which suggests it regulates Ca and Na transport. This translates into reduced TNFα release by macrophages, and activation of select cellular caspases. Mature human SLURP1 is 82 amino acids (aa) in length (aa 22-103). It contains one UPAR/Ly6 domain (aa 24-73), and forms noncovalent homodimers. Mature human SLURP1 shares 67% aa identity with mouse SLURP1.

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