

## Product datasheet for **TA355347**

### SFTPA1 Mouse Monoclonal Antibody [Clone ID: 32E12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	32E12
Applications:	IHC
Recommended Dilution:	1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to the 104–246 amino acid region of the human prosurfactant A molecule
Specificity:	Human surfactant protein A (prosurfactant A)
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	surfactant protein A1
Database Link:	<a href="#">Entrez Gene 653509 Human Q8IWL2</a>
Background:	<p>Pulmonary surfactant plays a critical role in maintaining the structural integrity of the respiratory epithelium by reducing surface tension during expiration. It is a lipoprotein complex which is synthesized and secreted into the alveoli of the lung by type II pneumocytes. Lung surfactant protein-A (SP-A) is a major phospholipid-associated glycoprotein in surfactant and is a member of the C-type lectin superfamily that also inhibits lipid secretion and enhances the uptake of phospholipid by alveolar type II cells. Levels of SP-A in amniotic fluid are reported to reflect the degree of fetal lung maturity and inadequate levels of surfactant at birth, a frequent occurrence in premature infants, results in respiratory failure.</p>



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**Synonyms:**

COLEC4; FLJ50593; FLJ51913; FLJ61144; FLJ77898; FLJ79095; FLJ99559; MGC133365; PSAP; PSP-A; PSPA; SFTP1; SFTPA; SP-A; SP-A1