



Mouse Anti-Human Complement Component C5a R1 monoclonal antibody, clone 458325 (CABT-L3174)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects human Complement Component C5a R1. Stains human Complement Component C5a R1 transfected cells but not irrelevant transfectants.
Target	Human Complement Component C5a R1
Immunogen	NS0 mouse myeloma cell line transfected with human Complement Component C5a R1. aa Met1-Val350
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	458325
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	FC, Neut
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

Preservative	None
Storage	Long time storage is recommended at -20°C.
Ship	Wet ice

BACKGROUND

Introduction	Complement Component C5a R1 (C5aR1), also known as C5a ligand and CD88, is a 7TM protein expressed on myeloid, endothelial, epithelial, and smooth muscle cells. C5aR binds the activated complement anaphylatoxin C5a. In established allergic environments, this triggers neutrophil and eosinophil chemotaxis and the release of proinflammatory mediators. In contrast, C5aR1/C5a interactions are protective during allergen sensitization. Human C5aR1 shares 66% amino acid sequence identity with mouse and rat C5aR.
Keywords	C5a anaphylatoxin chemotactic receptor; C5A; C5aR; C5a-R; C5AR1; C5ARC5a anaphylatoxin receptor; C5R1C5a ligand; CD88 antigen; CD88; complement component 5 receptor 1 (C5a ligand); complement component 5 receptor 1; complement component 5a receptor 1; Complement Component C5a R1; Complement Component C5aR1

GENE INFORMATION

Synonyms	C5a anaphylatoxin chemotactic receptor; C5A; C5aR; C5a-R; C5AR1; C5ARC5a anaphylatoxin receptor; C5R1C5a ligand; CD88 antigen; CD88; complement component 5 receptor 1 (C5a ligand); complement component 5 receptor 1; complement component 5a receptor 1; Complement Component C5a R1; Complement Component C5aR1
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