Product Datasheet

CCR4 Antibody (KW-0761 (Mogamulizumab)) - Chimeric Azide and BSA Free NBP2-81270-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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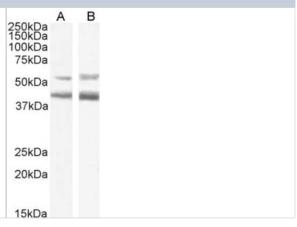
NBP2-81270-0.2mg

CCR4 Antibody (KW-0761 (Mogamulizumab)) - Chimeric - Azide and BSA Free	
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	KW-0761 (Mogamulizumab)
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	1233
Gene Symbol	CCR4
Species	Human
Specificity/Sensitivity	This antibody is specific for human CCR4, a chemokine receptor that is preferentially expressed by Th2 and regulatory T (Treg) cells. CCR4 is also detected on basophils, platelets, monocytes and brain microvascular and coronary artery endothelial cells.
Immunogen	This antibody was prepared by humanization of a mouse anti-CCR4 mAb.
Product Application Details	
Applications	Western Blot, Functional
Recommended Dilutions	Western Blot, Functional
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques. The clinically used format of this antibody (which underwent additional de-fucosylation to increase antibody-dependent cellular cytotoxicity (ADCC)), has significant clinical activity in heavily pretreated patients with mycosis fungoides and Sezary syndrome, and is associated with an overall response rate of 36.8% and a median duration of response of 10.4 months (Duvic et al, 2014). It was shown to CCR4-expressing cells by antibody-dependent, cell-mediated cytotoxicity (ADCC). Therapeutically, this results in a dual mechanism of action; in addition to directly targeting malignant T cells over-expressing CCR4, this antibody also depletes T reg cells, an important therapeutic target in human cancers. This antibody is well-tolerated, and administration does not appear to trigger clinically significant autoimmune complications in phase 1/2 trials (Duvic et al, 2014). This antibody has been approved in Japan for the treatment of relapsed or refractory adult T-cell leukemia/lymphoma, and is in clinical trials for solid cancers.

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Images

Western Blot: CCR4 Antibody (KW-0761 (Mogamulizumab)) - Chimeric [NBP2-81270] - Western Blot using CCR4 Antibody (KW-0761 (Mogamulizumab)) [NBP2-81270]. Human brain cerebellum (A) and human heart (B) lysates (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit IgG version of KW-0761 [NBP2-81270] at 2 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for CCR4 is 37.7kDa.





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HAF008 Goat anti-Rabbit IgG Secondary Antibody [HRP]

NB7160 Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]

NB100-56336PEP CCR4 Antibody Blocking Peptide

210-TA-005 TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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