



INNATE IMMUNITY **Cytokines & Chemokines**

Part of AbD Serotec
Innate Immunity Range

Research Areas

- Apoptosis & Cell Viability
- Complement
- **Cytokines & Chemokines**
- Pattern Recognition Receptors
- Toll-like Receptors

Cell Types

- Dendritic Cells
- Macrophages
- NK Cells & Receptors

Application specific antibodies and reagents for immunological research

AbD Serotec offers a range of antibodies and recombinant proteins to cytokines, chemokines and their receptors:

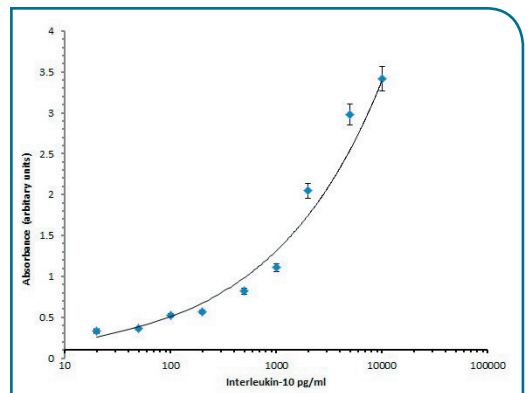
- Large portfolio of anti-human and anti-mouse antibodies to interleukins including IL-1 beta and IL-10
- Antibodies against a range of species and recombinant proteins for interferon (alpha, beta and gamma) and TNF
- Antibodies and recombinant proteins to a large number of cytokines, chemokines and their receptors such as CD195 (CCR5) and CD25 (IL-2 receptor alpha chain), with species reactivity to human, mouse, rat and veterinary species

Featured Product: **Interleukin antibody IL-10 (MCA2250)**

Rat anti-human Interleukin-10 antibody (MCA2250), clone JES3-12G8 recognizes human Interleukin-10 (IL-10). IL-10 is expressed by activated CD8+ peripheral blood T-cells, activated T-helper CD4+ T cells, mast cells and LPS activated monocytes. IL-10 has a wide range of biological properties, including the inhibition of macrophage and T helper cell mediated cytokine synthesis. Rat anti-human Interleukin-10 antibody, clone JES3-12G8 is reported to neutralize the effects of IL-10 Abrams JS et al. (1992).

Cited Reference:

Abrams JS et al. (1992). Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. *Immunol Rev.* 127:5-24.



Anti-human IL-10 (MCA2250)

ELISA

Human IL-10 assay: rat anti-human IL-10 (MCA2250) was used as the capture antibody (1/200) and recombinant IL-10 (PHP047A) as the antigen. For detection antibody rabbit anti-human IL-10 (AHP795) was used (1/500) in combination with sheep anti-rabbit HRP (1/10,000) (STAR54).

Citations: 10

Applications:

Immunohistochemistry - paraffin, Flow Cytometry, ELISA and Western Blotting

Related Products:

Rat IgG2a isotype control (MCA1224), goat anti-rat HRP (STAR72)

AbD Serotec offers a broad range of products for studying cytokines & chemokines. A selection of products is shown in the tables below, for a full product listing go to abdserotec.com

Anti-Human

Specificity	Clone	Applications	Formats	Product Code**
IL-1 alpha	Polyclonal	E, FN, IHC-P*, WB	Pur, Biot	AHP281G
IL-1 alpha		FN	Rec Protein	PHP040
IL-1 beta	5c10	E, WB	Pur	5375-4369
IL-1RA	Polyclonal	E, FN, WB	Pur, Biot	AHP2184
IL-1RA		E, FN, WB	Rec Protein	PHP080
IL-2	MQ1-17H12	E, FC*	Pur, FITC, RPE	MCA1553
IL-2	Polyclonal	E, FN, IHC-P*, WB	Pur, Biot	AHP1032
IL-2		E, FN, WB	Rec Protein	PHP042
IL-10	JES3-12G8	E, FC*, FN, IHC-P*, WB	Pur, Az Fr., Biot	MCA2250
IL-10		E, FN, WB	Rec Protein	PHP047A
IL-17	Polyclonal	E, FN*, IF/ICC, IHC-P*, WB	Pur, Biot	AHP455G
IL-17		E, FN, WB	Rec Protein	PHP098
IFN gamma	B27	E, ES, FC*, FN, WB	Pur, APC, Az Fr., Biot, FITC, RPE	MCA1554
IFN gamma	Polyclonal	E, FN, IHC-P*, WB	Pur, Biot	AHP775
IFN gamma		E, FN, WB	Rec Protein	PHP050
TNF alpha	MP9-20A4	E, FC*, FN, IHC-F	Pur, Az Fr., FITC, RPE	MCA1560
TNF alpha	Polyclonal	E, FN, IHC-P*, WB	Pur, Biot	AHP1212
TNF alpha		E, FN, WB	Rec Protein	PHP051A
TNF beta	Polyclonal	E, WB	Pur	AHP355G
CD120a (TNFR1)	H398	E, FC, FN, R	Pur, A647, Az Fr., FITC, RPE,	MCA1340
CD120b (sTNFR1)	2/220	E, FN, IHC-F, WB*	Pur	0100-0288
CD120b (sTNFR1)	Polyclonal	E, FN, IF/ICC, WB	Pur, Biot	AHP1833
CD120b (sTNFR1)		E, FN, WB	Rec Protein	PHP215
CD184 (CXCR4)	Polyclonal	FC, IHC-F, IP, WB	Pur	AHP442
CD184 (CXCR4)	Polyclonal	E, IHC-P, WB	Pur	AHP1808
CD195 (CCR5)	HEK/1/85a	FC	Pur, A488, A647, Az Fr., FITC, RPE	MCA2175
CD195 (CCR5)	Precision Ab™ Polyclonal	WB	Pur	VPA00044
CD257 (BAFF, BLYS)	T7-241	E, FC	Pur	MCA4619T
CD257 (BAFF, BLYS)	Polyclonal	WB	Pur	AHP587
CD254 (RANKL)	C01-2D2	E	Pur	MCA5971GA
CD254 (RANKL)	Polyclonal	E, IHC-P*, WB	Pur, Biot	AHP1209B
CD253 (TRAIL)	2E5	F, FN, WB	LE	MCA2144EL
CD253 (TRAIL)	Polyclonal	IHC-P*, WB	Pur	AHP440
CD253 (TRAIL)		E, FN, WB	Rec Protein	PHP125
CX3CL1 (Fractalkine)	Polyclonal	E, WB	Biot	AHP453B
CX3CL1 (Fractalkine)		FN	Rec Protein	PHP113
CX3CR1	Polyclonal	IHC-P*, WB	Pur	AHP1589

Anti-Mouse

Specificity	Clone	Applications	Formats	Product Code**
IL-1 alpha	Flo1	E, FN	Az Fr.	MCA2793Z
IL-1 alpha	Polyclonal	E, FN, WB	Pur, Biot	AAM31
IL-1 alpha		FN	Rec Protein	PMP39B
IL-1 beta	Polyclonal	E, FN, IHC-F, WB	Pur, Biot	AAM13G
IL-1 beta		E, FN, WB	Rec Protein	PMP71
IL-2	JES6-5H4	E, FC*, IP	Pur, Biot, FITC, RPE	MCA1303G
IL-2	Polyclonal	E, FN, WB	Pur, Biot	AAM35
IL-2		E, FN, WB	Rec Protein	PMP38
IL-17	TC11-8H4	E	Pur, Biot	1021408
IL-17	Polyclonal	E, WB	Pur, Biot	AAM60
IL-10	JES5-2A5	E, FC*, IHC-F, WB	Pur, RPE	MCA1302G
IL-10	Polyclonal	E, FN, WB	Pur	AAM32
IL-10		E, FN, WB	Rec Protein	PMP21
IFN gamma	XMG1.2	E, FC*, FN	Pur, Biot, FITC, LE, RPE	MCA1548
IFN gamma	Polyclonal	E, FN, WB	Pur	AAM29
IFN gamma		E, FN, WB	Rec Protein	PMP43A
TNF alpha	MP6-XT22	E, FC*, IHC-F, FN	Pur, Biot, FITC, LE, RPE	MCA1488
TNF alpha	Polyclonal	E, FN, WB	Pur, Biot	AAM19GA
TNF alpha		E, FN, WB	Rec Protein	PMP24
CD120a (TNFR1)	HM104	FC	RPE	MCA2078PE
CD184 (CXCR4)	Polyclonal	E, IHC-P, WB	Pur	AAM67
CD197 (CCR7)	4B12	FC, IP	Pur, A488, A647, Biot, FITC, RPE	MCA2367
CD254 (RANKL)	IK22/5	FC, IF/ICC, IHC-F, IP, WB	Pur	MCA4711
CD254 (RANKL)	Polyclonal	E, WB	Pur	AAM56
CD253 (TRAIL)	N2B2	FC	Pur	MCA4710GA
CD253 (TRAIL)		FN	Rec Protein	PMP83

Anti-Rat

Specificity	Clone	Applications	Formats	Product Code**
IL-1 alpha	Polyclonal	E, FN, WB	Pur, Biot	AAR25
IL-1 beta	Polyclonal	E, FN, WB	Pur, Biot	AAR15G
IL-1 beta		E, FN, WB	Rec Protein	PRP23
IL-2	Polyclonal	E, FN, WB	Pur, Biot	AAR38
IL-10	Polyclonal	E, WB	Pur, Biot	AAR29
IL-10		E, FN, WB	Rec Protein	PRP29
IFN gamma	DB-1	E, FN, IHC-F, WB	Pur, Az Fr.	MCA1301
IFN gamma	Polyclonal	E, WB	Biot	AAR34B
IFN gamma		FN	Rec Protein	PRP27B
TNF alpha	Polyclonal	E, FN, IHC-P, WB	Pur, Biot	AAR33
TNF alpha		E, FN, WB	Rec Protein	PRP16

*Requires special treatment, refer to product datasheet. **Refer to the website for each format specific product code.

Abbreviations: Axxx= Alexa Fluor®, Az Fr. = Azide Free, Biot = Biotin, E = ELISA, ES = ELISpot, FC = Flow Cytometry, FN = Functional Assay, IF/ICC = Immunofluorescence/ Immunocytochemistry, IHC-F = Immunohistochemistry - Frozen (Cryostat), IHC-P = Immunohistochemistry - Paraffin, IP = Immunoprecipitation, LE = Low Endotoxin, Pur = Purified, R = Radioimmunoassay, Rec Protein = Recombinant Protein, WB = Western Blotting.